S2 Student clubs/organizations
1 WRMC Public Records: Construction/Repairs
1995-1997

BOX 3
FOLDER 3

To: Jim Ross
Fr: Bob Cham
Re: Form 307
February 1, 1995

Here is a hand filled out form 307 and a blank form to be typed out along with the instructions for the form and the exhibits. Have the form typed out and label the copy of the letter exhibit #2.

The FCC needs the original and one copy of everything, **both with original signatures.** Mail one copy of everything to me at the enclosed address, and put one copy of everthing in the public file at the station.

Call me with any problems. I'll be at (802) 453-4369 until Saturday. Then I'll be at (802) 388-9582 Through Wednesday. I'll be at the number in Houston as of February 10, 1996.

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2026 Vanishing Cultures Campaign

https://archive.org/details/wrmcpublicrecord00unse_0

Jason Mantzoukas
Box 4065
2/20/95

Charlotte Chase
Student Activities

I am writing in request of funds for the purchase of a new computer system for WRMC, the college's radio station. This fall our ancient Macintosh Plus died, again, making it impossible to access station files or work on WRMC business in the WRMC office. This is the second time in a year that this particular computer has crashed and when it was brought to academic computing the literally laughed in our faces.

For some time now WRMC has been trying to strengthen both it's image and listenership. Part of this process has been the reintroduction two years ago of FMphasis, the station's own music magazine. In order to meet the needs of this magazine, and the growing needs of the station's increasing catalogue, programming and organization we feel it is time for WRMC to upgrade to a larger computer system. As our current computer is obsolete this seems the perfect opportunity to increase to a more powerful system which can handle our current needs as well as preparing us for the future. Pending a legal dispute the station could possibly undergo an increase to 1,000 watts as early as this spring, according to Town Manager Betty Wheeler. With that increase will come an increase in work the station does. More interest from record companies, booking agents, and bands themselves, will increase the work the station does. A new computer can only help in this whole process.

What follows is a proposal drawn up after both former station manager Jesse Cunningham, and I each independently talked with Jay Swan in the computer office. After each of us outlined the work and needs of the station he came up with this arrangement of components, and their current prices.

<u>HARDWARE</u>	
POWER MAC 6100 8MB RAM 250 MB HD	$1625
OR	
PERFORMA 636CD	$1297
17" MULTISCAN MONITER	$838
LASERWRITER SELECT 360	$1249
KEYBOARD	$65
<u>SOFTWARE*</u>	
PAGEMAKER 5.0	$147+SHIPPING
WORD 6.0	$80.87

① Betty Wheeler update

② On what our attorneys speeding up the process

③ letter from TNS - in support "needed quickly"

Char - call Jay Swan ~ prices do paperwork send to DJW

Howie is contacting Dawgy/Belt abt repairs + trade-ins before purchase of new board call Larry in Verganes (art Thorne - other name of eng.) if nec

④ T - Clara for budget - summer

FILEMAKER PRO $95

This is a computer that we hope will serve the station for the following years which will no doubt be hectic and confusing for the station. The differences between the 6100 and the 636 is speed and power as I understand. Jay said that the problem with the 636 will be that we may need to add additional RAM to it. The 6100 is one of the more powerful powerpc computers right now and will no doubt last much longer than the 636. According to Jay there will be price reductions on both of these models at the beginning of March, possibly bringing the 6100 to a more affordable level.

Sincerely,

Jason Mantzoukas,
WRMC, Station Manager

*There is a possibility that we may be able to get these elsewhere for less cost, that is being looked into.

3/1/95

Dwayne,

Here is the inventory of my available trade-in equipement that you requested:

ITC	Single Cart Player (Mono)	$300
"	Single Cart Play/Record (Mono)	400
"	Triple Cart Player w/ Remote (Mono)	400
		$1100

These are my estimates of trade in value based on our conversation from Friday and assuming the pieces are in good working order. There will also be input from the Student Activites Office here at the college as to our final prices.

Please forward the following pages to Chris; they are in refrence to our telephone conservation from Friday about a Ramco DC 38-S board that keeps blowing fuses. If Chris cannot fix this board would you please forward to me a list of 8 channel/4 input stereo boards that you have available. I hope your appointment went well on Friday.

Sincerely,

Howard S. Young
Special Productions Manager
WRMC
Drawer 29, Middlebury College
Middlebury VT 05753
(802) 388-6323

5 SPECIFICATIONS

S:

per mixer. All inputs balanced and gain selectable from mic thru high level. As shipped, unless otherwise sepcified, channels 1 and 2 are set for mic levels (balanced 150/250 ohms, -55dBm). All other inputs are set for high level, -10dBm nominal, balanced bridging. Input impedance may be changed to any lower impedance by placing appropriate resistor across the input terminals.
AIR INPUTS: Balanced & gain selectable. As shipped 0dBm, balanced bridging.

OUTPUTS:

Program:	600 ohm, differential balanced, +8dBm nominal, +20 dBm max.
Audition:	Same as program.
Monitor:	7 watts per channel into 8 ohms.
Cue:	2.5 watts into internal speaker.
Headphones:	8 ohms thru high impedance
Stereo Mix (Mono) :	600 ohms balanced at + 8dBm
Muted, unmuted and aux.muted monitor:	Selectable via internal switches.

RESPONSE: Program, Audition, and mono (combined program stereo): +0, -2dB, 20Hz to 20kHz referenced to 1kHz @ +8dBm out.

Monitor: +0, -2dB, 50Hz to 15kHz referenced to 1kHz @ 8 ohms; 5 watts out.

CROSSTALK:

Aud., Prog.	-70dB @ 1K	-57db, 20Hz - 15kHz
L-R Seperation	-50dB @ 1K	-45dB, 20Hz - 15kHz
Q to P and A	-70dB @ 1K	-62dB, 20Hz - 15kHz
Between input select channels	-70dB @ 1K	-57dB, 20Hz - 15kHz

DISTORTION:

Prog. and Aud.	.3%	20Hz - 15kHz
Mono, Monitor Driver	.3% @ 1kHz, .5%	10Hz - 15kHz

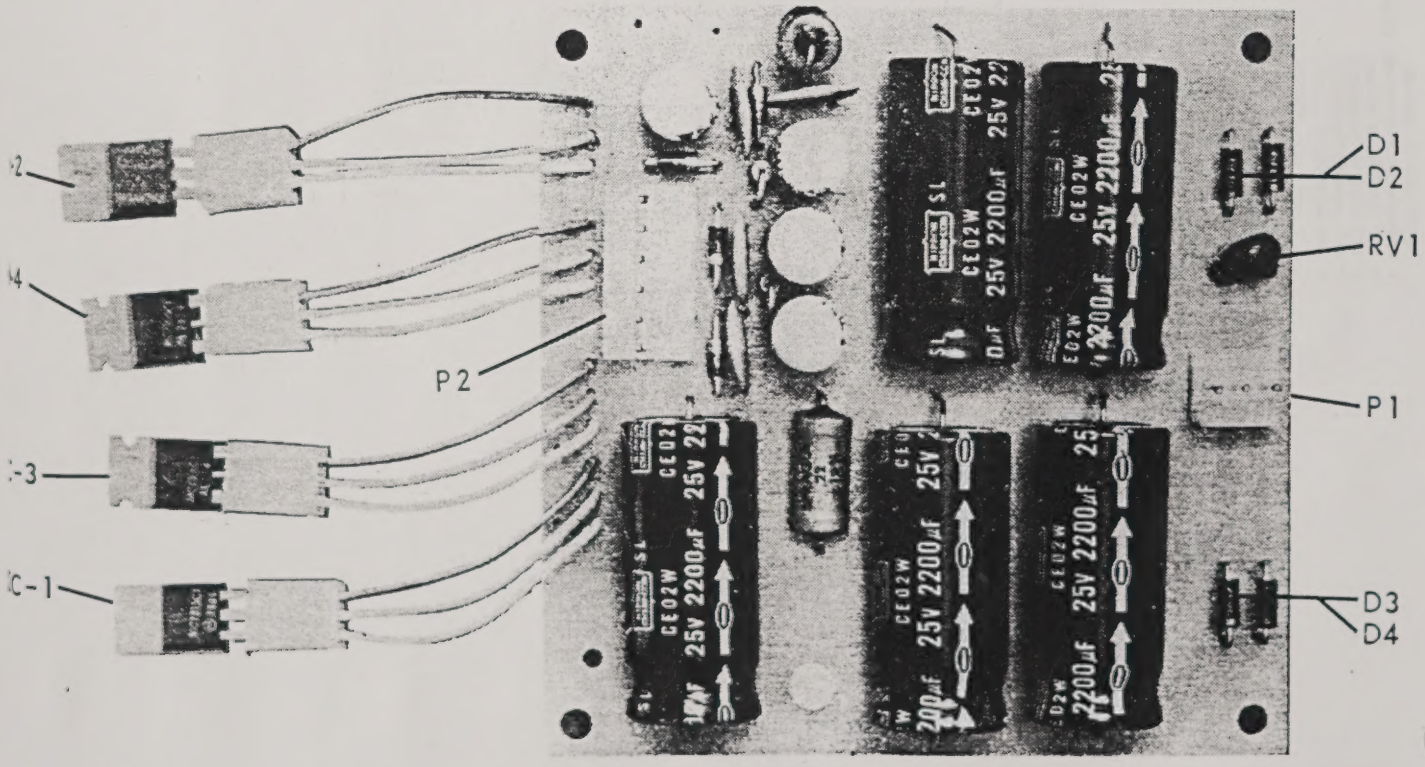
S/N:

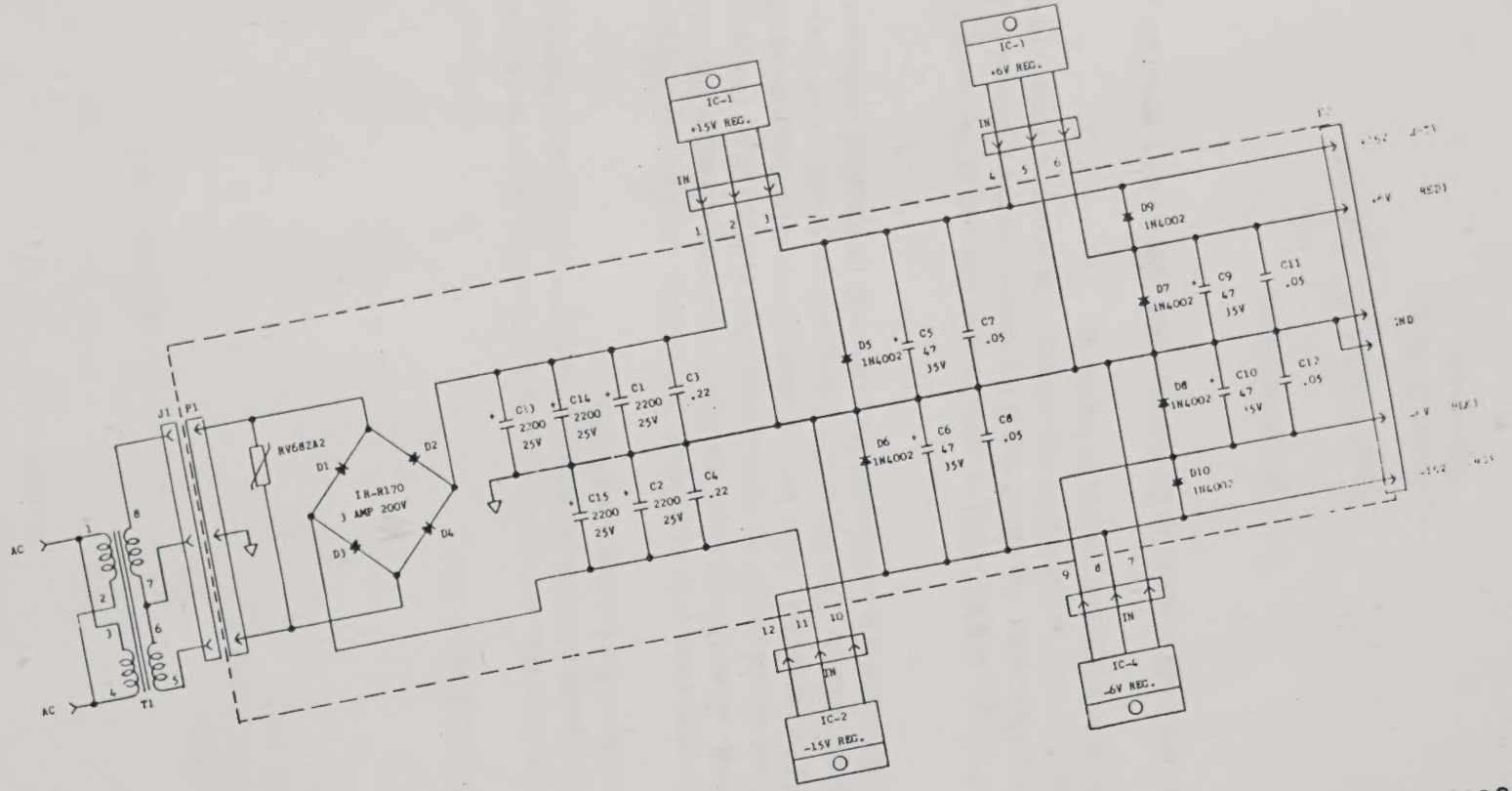
Program, audition and combined stereo (mono). -63dB (unweighted) below +8dBm referenced to -50dBm in. -70dB (unweighted) below +8dBm on high level channels.

DPS-4 DUAL POWER SUPPLY

The DPS-4 is a dual ±15 VDC and ±6 VDC supply. All circuitry in the console is supplied by this unit with the exception of the 10SMA and 2.5QA which share transformer T2 for AC supply; but have their own separate rectifier /filter section. The clock/front panel lighted display also has it's own separate transformer (T3) supply.

The DPS-4 receives it's power from T1, is full wave rectified and then filtered by C1, C2, C3, C4, C14 and C15. The +22 V across C1 is fed to IC-1 which provides a high regulated +15 VDC. This in turn feeds IC-3 which provides a highly regulated +6 VDC out. IC-2 and IC-4 accomplish the same thing but are -15 VDC and -6 VDC regulators in that order. All capacitors with the exception of C1, C2, C3, C4, C13, C14 and C15 are for power supply stability. Without these caps, the supply would tend to oscillate. D5, D6, D7, D8, D9 & D10 are protection diodes and are designed to keep any of the supply voltages from momentarily reversing below ground and damaging the console electronics. RV1 across the rectifiers input is a metal oxide varistor and is an AC line transient protective device. Any spikes or steady voltages above 68 VAC are instantaneously shorted out. IC-1 thru IC-4 are both over current and temperature protected and will automatically shut down if either event occurs.





DPS-4 (003-0133)

DUAL POWER SUPPLY
SCH. NO. 999-0026
DRAWN BY B. HALLSTROM
BRD. NO. 004-0133

	TI	NATIONAL
5. IC-4	UA7906-CKC	OR LM320T-6
4. IC-3	UA7806-CKC	OR LM340T-6
3. IC-2	UA7915-CKC	OR LM320T-15
2. IC-1	UA7815-CKC	OR LM340T-15

1. CAPACITORS ARE IN MICROFARADS, 50V OR GREATER UNLESS OTHERWISE SPECIFIED

313.750
MDL 3/4 | 1/2 ASB

bcc - Tiffany Argent ✓

MIDDLEBURY COLLEGE
MIDDLEBURY, VERMONT 05753
(802) 388-3711

April 10, 1995

Mr. James Crutchfield
Supervisor, Program Analysts
Federal Communications Commission
1919 M. Street NW., Room 332
Washington, DC 20554

Dear Mr. Crutchfield:

Thanks very much for your call last Friday.

We're very disappointed to hear that our application for an extension of our Broadcast Construction permit (File Number BPED-90119MB), which we submitted on March 22, 1994, is not scheduled to be considered for another six months.

Chipman Hill, where the new tower is to be located, is owned by the Town of Middlebury and controlled by a local Trust. Even though there has been a tower on Chipman Hill for many years, before the Town and Trust would permit its replacement, they decided to go to court to be certain that a new tower would be permitted. After several years, the court has agreed to allow a new tower subject to certain conditions. The Town, the Trust, and the tower owner have nearly completed their negotiations and it is anticipated the tower will be installed within a couple of months.

The willingness of the College (WRMC-FM) to contribute to the cost of the tower has assured us of "good positioning" on the tower. I'm afraid that if we cannot receive approval of our FCC 307 within a few weeks, we may well be left off the new tower. I'm sure you realize we will need some lead time to order the equipment we will be requiring.

We urge you to please move our request up for early review. Thanks very much for your assistance.

Sincerely yours,

James D. Ross

James D. Ross
Consultant

cc: Robert Smith
David W. Ginevan

RECEIVED
MAY 4 1995

May 3, 1995

Dear Tiffany,

I just wanted to drop you a note to remind you of our conversation today, and so we can have something to refer to in our meeting with Paolo, Jason, and Art Thorn. After my conversation with Neil Langer last night, I see WRMC needing three things: 1) new wiring in both the broadcast and production studios, 2) a new or rebuilt broadcast board, and 3) to bring the current transmitter up to full power (if possible). It seems to me that we have at least four clear options on where to go from here.

1) Contract Neil Langer to rewire both studios, fix the broken board if he can, and fix the transmitter if possible. He estimated 40 working hours per studio (plus materials) and an afternoon on the clock to figure out if he can fix the transmitter. I estimate 10-20 hours to fix the board after at least 3-4 hours to find out if he can fix it.

2)Purchase a new board and related wiring equipement and allow Neil to install and rewire, as well as fix the transmitter if he can.

(same new board) 3)Purchase a new board and allow Jason and I to install (with the supervisio/help of a college electrician/contractor.) Contract Neil to fix the transmitter.

4)Forget the transmitter and continue to run the risk of fines by the FCC. Have Jason and I install a new board (with supervision/help) and rewire the studios.

Sincerely,

Howie

pager 741-9094

mornings usu. around 9 or 10am

30 days pay perio.

WRMC 05/04/95

Neil Langar 802/775-0758

took the cart machine

needs quite a bit of work

FCC does expect us
some of

EBS system - inoperative
for a while JSC
supposed to recv tests
ea. wk

power illegal
10% above
5% below

running at an illegal
power
transmitter - wd like
to look at

illegal state that's in right now

modulation looked OK
monitor itself

around the station
prod. room not working
place is a mess

agree w/ Howie's ideas - buy new board
taking everything a part
new -
use old

some solid state unit should be able
to be brought back up

labelling
unwiring
putting new
wires
labelling

can put in
a bunch block
wire all channels
down one side
next connection
bet. board &
other wires

doesn't
open up
easily

reference
Nearup

new equipment
labor intensive
clean up

brought back
up

new board
about 40 hrs
carpentry work
aside

remote control
readings

cd build a
new station
for sake of
fines

P.O. w/ a
max. $200.

Cart
machine
$400/day
$40/hr

after work,
maintenance
20 hrs.
40 hr
usu. airstudio
complicated

For Tiffany

NEIL LANGER
CONSULTANT ENGINEER
R F D #2 Box 7395
Mendon, Vt. 05701
(802) 775-0758

May 16, 1995

Middlebury College
WRMC-FM 91.7 MHz
Drawer 29
Middlebury, Vt. 05753

Re: Quote for Engineering work for WRMC

Introduction:

An inspection of the studios of WRMC showed many equipment problems. It appeared that the station was not operating within the your FCC licensed standards of required power and modulation limits. The production board was inoperative, as were many other pieces of equipment. The in house wiring between studios was in disarray. The EBS system was not working. At the time of my visit we were unable to get to the transmitter for an inspection.

In general it appeared that there has not been any engineering maintenance for quite awhile. I believe that almost all of your equipment is repairable and this should be attempted before replacement.

Proposal:

First, during the time period of May 22 to June 12, I propose to spend approximately 40 to 50 hours troubleshooting, ordering necessary parts and repairing equipment.

It really is not possible or fair to either party to try and bid this project with all its unknowns. Troubleshooting each piece of equipment and determining the problem is a large part of this type of work. I will not go over the above time estimate without prior approval and in this time I should be able to bring the station back into legal limits. If repairs go more quickly I will only charge for the actual time spent.

Parts and materials can only be determined and billed as necessary.

Second, a regular maintenance contract should be set up to maintain equipment and keep the station within legal limits. Logs and records should be kept for FCC inspection. I recommend one visit each month. This is a very important part of good operating practices for any radio station.

Requirements:

I hold an FCC General Class license and a BSEE from Rensselaer Polytechnic Institute.

At this time I have not been required to carry liability insurance, but in response to your request I have set up a potential policy. This will be put into effect immediately if we agree upon a contract.

NEIL LANGER
CONSULTANT ENGINEER
R.F.D. #2 Box 7395
Mendon, Vt. 05701
(802) 775-0758

May 16, 1995

Middlebury College
WRMC-FM
Drawer 28
Middlebury, Vt. 05753

Rates:

Hourly rate is $40.00.

Monthly rate for the college is based on one eight hour day, this also includes emergency on call service, and the time involved in being consistent with ongoing projects.

Parts and materials to be itemized on bills.

Special projects or any time beyond this will be pre-approved by the college.

All bills to be paid within 30 days.

Conclusion:

I take pride in my work and in following only good engineering practices. References from any of my clients are available.

I would hope that we would agree upon at least a one year contract especially due to your insurance requirement, but I am always open to discuss any arrangements you care to consider.

Thank you for the opportunity to bid on this work.

Sincerely,

Neil Langer

Neil Langer

Tiffany,
This is the closest thing to a bid that I recieved. I'm expecting a similar letter from Mitch Stern by the end of the day. Could we meet monday after 5pm or Tues.
-Howie

MITCHELL STERN
14 KIMBERLY DRIVE
ESSEX JUNCTION, VT 05452
802-879-6589

Tiffany,
This is the other proposal I mentioned
- Howie

Howard Young
WRMC-FM
Middlebury College
Middlebury, VT 05753

May 17, 1995

Dear Howard,

It was nice speaking you yesterday. Here is my proposal for engineering services for WRMC-FM:

1. I cannot give you an accurate estimate to fix the WRMC transmitter without carefully inspecting the equipment while on the air and while shut down. Due to the nature of a lightning strike, any combination of problems in the transmitter, feedline, antenna may be possible.

2. I estimate 2-3 hours to determine the condition of the equipment and outline possible solutions. The solutions can range from a simple fix to transmitter overhaul. A transmitter overhaul can run upwards of several hundred dollars.

3. There are many other periodic maintenance tasks that need to be done to assure proper operation of the station and compliance with FCC Rules and Regulations. Some of these periodic tasks include: power measurement, adjustment of remote control, check of EBS equipment, and studio and transmitter preventive maintenance. As fines can run range up to $20,000, compliance with the FCC should be taken very seriously.

4. My open billing rate is $35 per hour. To keep costs at a manageable level, I would recommend a maintenance contract. This would run $200 for one visit per month. Additional time, if warranted, would be billed at $30 an hour. Outside of major equipment failure, engineering services would be a predictable amount over the course of a year.

5. References: I work as Consulting Engineer and Chief Operator for WWPV-FM at St. Michael's College. Their student advisor is Dave Payson (654-2258). Most of the work done for WWPV has been maintenance and checking technical logs, but has also included repairs to the transmitter, remote control and modulation monitor. I also do consulting work for WKDR in Burlington and WGFB in Plattsburgh. I can give you contact information if desired.

I look forward to hearing from you.

4:15 Tues.

Respectfully submitted,

Mitchell Stern

Mitchell Stern

To: Tiffany Sargent
From: Howie, WRMC
Date: May 25 1995
RE: Counter Top Stand for the new board

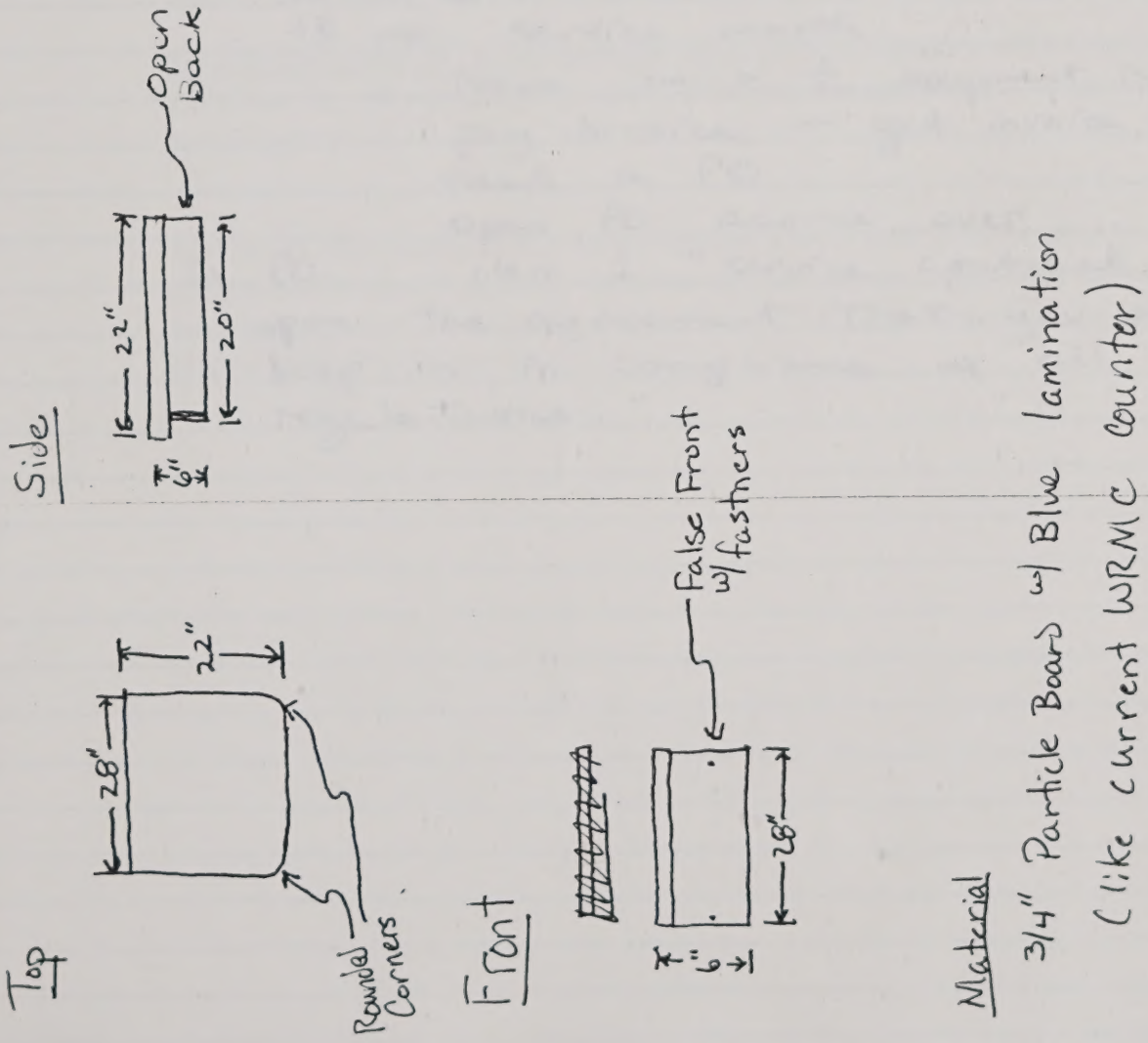
Tiffany,

Attached is a sketch of the counter top addition that will be needed for the new board. The current counter is at a height that is too high to sit and operate the board and too low to stand and operate the new board. This 6 inch rise will allow the on-air DJ to stand and operate the board.

Charlotte said that I should write this up so that you could get it to Facilities Maintanence as soon as possible. I appologize if I seem like I'm in a rush everytime I ask for your help, but it looks like it could be a close call when we go back on the air June 12.

Thank you for <u>all</u> of your help; your patience and understanding has not gone unnoticed.

Howie



Art, Jason
+ Howie
WRMC
05/23/95

WRMC

1st class engineer
used to be someone who would come in regularly
recalibrate monitors
we shd. have someone ~~is~~ as "Chief Operator"
who is licensed w/ the FCC

Service contracts

do not pay < 2x /yr
want service in June
start w/ Fed'l regs.
make a list of key elements that we want
listen to what engineer wants
addendum to service contract for June work
take 2-3 hrs of June's for
~~accrued~~
13 mo. service month
issue no > ½ payment in June
pay invoice — get invoice by Jun 10
need a PO
open PO accrue over
in PO. : item 1 "service contract is based upon the agreement that you are to keep us in compliance w/ all fed'l regulations."

Art, Jason
+ Howie
WRMC
05/23/95

WRMC

1st class engineer
used to be someone who would come in regularly
to calibrate monitors
we still have someone as a "Chief Operator"
who is licensed by the FCC

service contracts
do not pay < $x /yr
want service in place
start by Feb 1995.
make a list of key elements that we want
listen to what engineer wants
additional to service contract for plans and
take 2-3 hr of labor for
~~service~~
13 mo. service month
issue no > ½ payment in advance
pay invoice — get invoice by phone to
avoid a PO
open PO comes over
in PO: item 1 "service contract is based
upon the agreement that you are to
keep us in compliance w/ all Fed'l
regulations."

REQUEST FOR QUOTE

Middlebury College (WRMC-FM) will be accepting bid proposals for the repair of our transmitter. Existing equipment consists of a **LBPFM 300 SS TRANSMITTER** and an **ORBAN OPTIMOD**.

Proposals are to be based on the repair or replacement of existing equipment necessary to return the station to its' operating license level. Detailed scope of work is to be provided with proposal.

Site review will be available, by appointment , from Saturday, May 13, 1995 to Wednesday, May 17, 1995.

Bid date is Thursday, May 18, 1995 at 5:00 PM.

Contract award date is Monday, May 22, 1995.

Installation schedule - work can begin with award of contract. WRMC will be off-air from May 26, 1995 thru June 12, 1995. Exceptions to this schedule are to be noted as part of your proposal.

All bidders must be licensed broadcast engineers, with liability/workmen's compensation insurance of at least $1 million. To make appointments to inspect the transmission facilities contact me at (802)388-3711x.4405 or 388-6323. Bids will be accepted by U.S. mail to WRMC or by fax at (802)388-3711x.4910.

Tiffany,
Here is version #2. I had a nice talk w/Bob & made some changes. I didn't give Art a copy of this one, could you please do so.
-Howie

Change of Quote Request

WRMC-FM, Middlebury College, has changed its request for bids on transmitter work to a request for bids on the following contract:

Dates
Contract to begin with awarding (including June, 1995) and will run until June 30, 1996

Responsibilities of Contractor
The contractor will spend eight (8) hours per month at WRMC, excluding August 1995 and June 1996. This eight hours includes travel time and at least one WRMC board meeting, which occur at 5:00 PM every Monday while station is in operation, unless otherwise agreed upon.

The Contractor will be designated as Chief Engineer. As such, the contractor will maintain WRMC equipment where the student engineer is unable. The chief engineer is expected to work with the student engineer to create and execute a scheduled maintenance routine. If work time extends beyond eight hours per month, Contractor will be paid a set hourly rate; all work done beyond eight hours per month must have prior approval by the licensee, or their agent, on a project by project basis.

The engineer is to also be an advisor on policies and practices of the station and how they relate to F.C.C. rules and regulations. The engineer will give regular, written reports detailing his/her evaluation of station practices and policies. Regularity of this summary will be determined with awarding of contract.

The engineer will handle correspondence with the F.C.C.

Engineer, or a designated substitute, must be available for emergency service within 72 hours of notice. This work will be billed at above hourly rate.

Contractor must have at least $1 million in liability/workmens' compensation insurance.

Responsibilities of WRMC-FM Licensee
The WRMC licensee will pay contractor at an agreed upon interval which will consist of no less than two (2) payments per year.

Licensee will follow the recommendations of the contractor where F.C.C. rules and regulations are concerned.

Licensee will provide a safe workplace.

Evaluation of Bids
Only bids received by June XX, 1995 will be considered. Bids will be accepted through U.S. Mail addressed to Howie Young; c/o WRMC Drawer 29; Middlebury College; Middlebury, VT; 05753 or by fax at (802) 388-3711 x. 4910 (attn. Howie.) Bids must include dollar values for the monthly visits as well as the hourly rate at which work above eight hours per month will be billed.

Evaluation of Bids (continued)
The two lowest bidders will be given inspection tours and interviewed on Thursday, June XX or Friday, June XX by WRMC and Middlebury College staff. These interviews will count equally with the dollar bids towards the awarding of the contract.

RPCommunications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

June 04, 1995

Howie Young
c/o WRMC Drawer 29
Middlebury, VT 05753

Dear Mr. Young:

I am pleased to submit a proposal for the maintenance of your station. I obviously am unable to estimate the costs of repairing your transmitter as inspection tours are not available until after the due date for this proposal. Should damage to the transmitter be found to be extensive, I will most likely recommend that it be returned to the manufacturer for rebuilding as this is frequently the most cost effective path open to you. Any repair work on the transmitter and ancillary equipment would have to be on a time and materials basis with an initial not to exceed amount to be agreed upon after careful inspection of the equipment. It should be noted however that in the case of lightning damage, which I understand to be your problem, repair of one item frequently only allows one to observe symptoms that had been masked by the earlier malfunctioning of newly repaired equipment.

Eight hours per month should be sufficient to maintain your station once it is operating properly. I do not propose to include your board meetings in this eight hours. I would be happy to attend as many of these meetings as you wish, but they would be billed beyond maintenance time. I do not wish to limit myself to only being able to work for you on Mondays, and I also believe that your station should have one full day per month of my time to be spent on keeping the station "up to snuff". If there is time left in a month's allotment, I would be happy to apply it to meetings. Travel time would not be charged for monthly meetings.

My philosophy of billing is as follows. "Emergency" or unscheduled repairs are billed at 1 1/2 times the normal scheduled rate. This is due to the tendency of some General Managers to not schedule sufficient maintenance and make up the difference with "emergency" repairs on the insufficiently maintained equipment. Needless to say this makes the life of a contract engineer extremely difficult and scheduling almost impossible. My approach also causes people to think twice about whether a situation is truly an emergency.

I will be happy to work with your Student Engineer and Chief Operator to keep WRMC running smoothly. I would expect to report verbally to them, to you and at meetings, on station practices and policies. This allows feedback to make sure that everything is fully understood. I normally only deliver written reports, beyond that included in my billing, in extreme circumstances, as they are subject to misinterpretation. You will find my billing rather detailed, which will probably answer most of your questions.

I will be glad to advise the staff of the station on proper procedures and the legality of your practices. I will not handle correspondence with the FCC except that of a technical nature. Routine correspondence with the Commission should be handled by those familiar with the matter at hand. This is also a good opportunity for student staff to learn more of a

very important part of radio operations. I will be pleased to advise others on proper form procedures and the strategies involved in dealing with the Commission.

I am not presently required to carry liability insurance by any of my clients, but would most certainly obtain it, in a timely manner, to your requirements, if awarded this contract.

I will generally bill monthly. Invoices will be payable upon receipt.

I wish to have one designated contact person authorized to request visits from me. Who that is is up to you. I would be happy to advise you on the path that your station intends to take to upgrade it's power level. I would be willing to review work done to this point and make recommendations. I would also be pleased to make suggestions on, or even design, new studios should that be in your future. License applications for investment groups, and studio design and construction have been a part of my work for many years.

I would suggest that the contract not omit the two months of the year that are, I assume, downtime. This is often the best time to perform work that requires the Master Control Room to be shut down for one or more days at a time. Problems that require such work can often be put off until such times, to keep inconvenience to staff to a minimum. Work at such times can be separately negotiated if you wish, but it is something to keep in mind.

The Federal Communications Commission ceased to license broadcast engineers, beyond licensing of board operators, some time ago. This function has largely been replaced by the Society of Broadcast Engineers certification program. I hold the highest level of certification that they offer, Professional Broadcast Engineer. As you can see from my resume, I have worked in broadcasting for most of the last thirty years. Much of this work has been with public and / or university owned radio stations. I enjoy working with students and find an academic environment comfortable. Some of my fondest memories are those of teaching radio production workshops and supervising student engineers at the University of Wisconsin. I sincerely hope that I am afforded the opportunity to work with your station.

I notice that inspection tours and interviews are scheduled for next Thursday and Friday. Thursday would be preferable to me as I will unavailable most of Friday. I am enclosing a proposed contract giving rates and other information, and a copy of my resume. As I am sending this by Fax, I will send a hard copy in case of malfunction or misdirection of the Fax

Sincerely yours,

R.P. Cham

Robert Cham

Maintenance Contract

On this the 4th day of June 1995, Robert Cham, President of R P Communications, proposes the following for the maintenance responsibility of the studio and transmitting facilities located at Middlebury, VT belonging to and directly related to the broadcast of WRMC.

That:

R P Communications shall provide it's own access to the studio and transmitter sites.

Only those weather conditions that immediately or imminently shall pose a threat to personnel shall prevent R P Communications from completing it's proposed responsibilities.

Should R P Communications be prevented from accessing a site for the above mentioned reasons, access will be made in the most timely manner as soon as above mentioned conditions no longer exist.

The engineer assigned to be responsible for the facilities of WRMC shall be reachable by telephone within a reasonable amount of time. Messages left on the office answering machine shall be responded to within one half hour of the engineer reaching the office.

If, and only if, the rare occurrence happens that the responsible engineer on call is already on an emergency call, and an emergency situation arises at the facilities of WRMC, calls shall be responded to in the order that they are taken.

If the responsible engineer on call is to be unavailable at the office telephone number, for longer than 72 hours he shall inform WRMC of an alternative telephone number where he can be reached.

The normal contact person for WRMC shall be the General Manager or the Operator on Duty in master control. Emergency maintenance work must be authorized by an officer of WRMC before an engineer is dispatched.

R P Communications shall perform it's inspections and maintenance as set forth by the specifications of WRMC. Should the specifications of WRMC require the need of a test instrument that is not normally found in the arsenal of a reasonably outfitted company dealing in broadcast maintenance, WRMC shall be responsible for the procurement of that instrument.

The term of the contract shall be from the date of acceptance through June 30 following the date of acceptance. The months of August 1995 and June 1996 shall be excluded from this contract unless otherwise agreed upon by the parties. The renewal window of the contract shall be May through June of each contract year.

The contract may be terminated by either party, with or without just cause, provided thirty (30) days notice is provided in writing. Should notice be given in the last thirty (30) days of the renewal window, the contract will remain in effect until the closing of said window, provided there are a minimum of fifteen (15) days left in the window.

R P Communications shall provide a maximum of eight (8) hours of regularly scheduled maintenance and / or service, including travel time, for a monthly retainer of three hundred dollars ($300.00).

Provided that additional time is warranted and sufficiently exceeds the maximum time covered by the retainer for any one month, time shall be billed at the rate of forty dollars ($40.00) per hour, for scheduled maintenance, including travel time, based on 1/4 hour increments. Emergency or unscheduled time shall be billed at the rate of sixty dollars ($60) per hour, including travel time, based on 1/4 hour increments.

R P Communications will submit monthly bills detailing work done for it's retainer and any overages. The retainer and any overages are payable upon receipt of the bills. Unusual overages may be deferred from immediate payment upon timely notification of R P Communications. Other than the cost of minor parts and / or supplies which will be billed to WRMC by R P Communications, all necessary repair and maintenance parts and equipment shall be purchased directly by WRMC.

WRMC Representative

Date:_____

_____

_____

Date: June 04, 1995

Robert Cham

R. P. Cham

ROBERT PAUL CHAM

9D Main Street Bristol
Vermont 05443
802-453-4369

President, R P Communications, March 1989 - Present

Consult on telecommunications, including microwave systems for digital and analog carriage of audio, video and data. Video teleconferencing facilities design. Radio, television, and digital audio facilities design. Antenna site consolidation. Custom audio design, construction, and modification . Custom database design using Oracle.

Partner, Vistanet, March 1994 - November 1994

Partner in startup Internet access provider. Responsible for all technical planning, including selection and integration of T links, commservers, routers, modem banks, UNIX servers, Ethernet devices and IP addressing scheme.

Director of Engineering, Vermont Public Radio, December 1985 - August 1990

Wrote and administered budget for, and supervised staff of Engineering and Operations Departments. Responsible for network of three FM transmitters and two studios, with broadcast coverage in Vermont, and parts of three other states as well as Quebec.

Planned and oversaw construction of a new directional FM station in the Rutland area, from grant initiation to completion. Dealt with state and local, environmental and zoning agencies with regard to construction of an addition to the landlord's building at the transmitter site.

Upgraded facilities through judicious use of limited resources. Implemented a network of mini and micro computers for use by the Business and Development Departments. Through 1987 supervised the operations staff including on-air personnel.

Other duties have included planning for two new studio sites, and initiating projects such as the purchase and modification of a video microwave system to digital carriage of broadcast and telephone lines.

Acting Director of Engineering, WSKG-FM+TV, March 1985 - November 1985

Wrote and administered capital budget for all station equipment. Wrote and administered operating budgets for Engineering, Translator, and Building Maintenance Departments. Supervised the above departments, which include a system of 53 television and 4 radio translators, and a staff of thirteen.

Planned and completed installation of a new television production control room, a studio lighting system, and an extensive system linking mini and micro-computers.

Chief Engineer, WSKG-FM+TV, November 1984 - November 1985

Responsible for television operations, maintenance of both television and radio studios and transmitter plants. Acted as Technical Director on all major local productions. Supervised staff of eight.

Production Engineer, Datatronix Inc, February 1984 - October 1984

Responsible for production implementation of custom designs of audio production consoles, production line set-up and supervision, and customer liaison. Designed testing equipment and procedures for computerized telephone billing equipment and intercoms.

Chief Engineer, WETA-FM, March 1982 - February 1984

Wrote and administered engineering budget of major market public radio station. Wrote budgets for speculative projects in order to determine feasibility. Responsible for implementing these budgets when approved. Supervised engineering personnel.

Determined technical priorities and generated plans for long term growth and renovation. Set new policies and procedures for operations and remote recordings, leading to both better "air sound" and better recordings

Redesigned and rebuilt present production studio as well as designing studios and station layout for new building.

Technical Director of all major remote broadcasts, such as New Music America and the Smithsonian Folklife Festival.

Extensive liaison work with National Public Radio, C&P Telephone Company, which supplies our major communications links, and the architects who designed the new building.

Radio Broadcast Engineer, WHA Radio, 1974 - 1982

Recording studio and on-air production engineering and co-ordination; Technical Director of live remote music broadcasts and recordings; audio consultant to WHA Television, University of Wisconsin Photo- Cinema, and Agricultural Journalism Departments.

Trained new staff members and conducted recording workshops for minority group members. Produced and recorded recordings for University of Wisconsin Artists in Residence, such as the Pro Arte Quartet.

Certification, Memberships and Training

Certified by the Society of Broadcast Engineers as a Professional Broadcast Engineer

Member of the Society of Motion Picture and Television Engineers

Seminars and workshops including TCP/IP Internetworking, "C" Programming, Digital Microwave Network Design and Ampex Tape Recorder Maintenance and Repair

REFERENCES

Alan Rieland
Chief Engineer
WHA Radio
821 University Avenue
Madison, Wisconsin 53706
608/263-5544

Dean Boal
President
Interlochen Center for the Arts
Interlochen, MI 49643
616/276-9221

F. Kim Hodgson
Station Manager
WAMU-FM
The American University
4400 Massachusetts Avenue
Washington, DC 20016
202/885-1030

Raymond Dilley
Manager of International Services
National Public Radio
2025 M Street
Washington, DC 20036
202/414-2005

Alan H Cook
Director of Operations
Dartmouth Medical College
Hanover, NH 03756
603//650-1651

Steve Rathe
69 Murray Street
New York, New York 10007
212/619-1475

C. Victor Campos
P O Box 1206
Framingham, Massachusetts 01701
617/879-1035

RP Communications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

Rec'd 7/22/95

Balance Due Upon Receipt of Invoice

June 30, 1995

Jason Mantzoukas
General Manager
WRMC
Drawer 29
Middlebury College
Middlebury, VT 05753

Dear Jason:

Here is my bill for services rendered to you between June 23, 1995 and June 29, 1995.

On June 23rd, I performed a quick inspection of the station. I verified that Howie's list of what belongs in a public file was accurate. I did not inspect the public file as it was not yet assembled in one spot. Howie has promised to accomplish this before my next monthly visit. I did note that the station license was not posted in either the master control room or at the transmitter site. There are substantial monetary penalties for not posting the original at the control point and a copy at the transmitter site. **This should be rectified immediately!** I also informed the staff that they should notify the FCC immediately to avoid financial liability to the college for not meeting the terms of it's license (underpowered operation), and furthermore take steps to rectify the situation. **Not to do this is a very serious violation of federal law!**

While at the station, I modified WRMC's EBS equipment to meet the new FCC standard, which takes effect July 1st. I was also given a homemade, totally undocumented telephone interface for master control and asked to hook it up in the same manner as the one in production. I did this after noting that it was not quite the same unit as the one in production. After the wiring was duplicated, it would not work, nor would the telephone. I placed some jumpers on the unit in order to make the telephone function at least and left for the day. When the interface had been removed from master control, the connection had been cut and no diagram had been made. If undocumented equipment is removed in such a manner you might as well throw it out and start over, rather than wasting everyone's time.

On June 27th I removed the transmitter from service, connecting the exciter in it's place, allowing an effective radiated power of approximately 3 watts. I then removed the unit to my shop for service.

On June 28th, I called Larry Maier, and eventually received a call back after completing an initial diagnosis of the transmitter. Larry was full of information. He had rebuilt the transmitter "5 or 6 times" due to a number of problems some of which still exist. The first was a workman who removed or possibly, according to Art Thorne, cut the transmission line from the transmitter without turning it off. This will always destroy at least the output transistors in this transmitter. The transmission line should also be carefully inspected for any unrepaired damage.

The order of the following incidents is unclear in my mind, but apparently they all happened. First some background. VSWR is a measure of how much power is reflected back to the transmitter from the antenna. There is always some, because no antenna is a perfect load. The

VSWR can also be affected by metal objects placed near the antenna, or an antenna tuned to the wrong frequency. A VSWR of 1.1/1.0 is good. 1.5/1.0 is the very edge of the acceptable. Anything over that will almost certainly destroy the output section of this transmitter.

A sprinkler was installed in the cupola complete with a water pipe running up parallel with the antenna. Lightning rods were installed on the roof of the cupola. Heavy ground cables run down from them parallel to the antenna. The frequency of the station was changed without changes to the antenna. This occurred after Larry warned the staff that the antenna could not be retuned, and must be replaced. After the sprinkler and lightning rods were installed the VSWR was approximately 1.5/1.0. Art Thorne agreed to temporarily remove the cables from the lightning rods and apparently the VSWR went down somewhat, but the transmitter was still unstable into that load, and apparently had to be rebuilt at least once more. Then the station changed frequency and the VSWR went to over 2.0/1.0. This resulted in at least one rebuild and the current situation.

Larry also told me that previous rebuilds had required much more than the 3 transistors that Howie had obtained for $300. QEI who built the transmitter, will rebuild and update the transmitter for $525, less than I could do it for when the transistors are figured into the equation. I suggested this course to Howie.

On June 29th, I called QEI to confirm details of the rebuild, and Vermont Telephone, looking for a commercial telephone interface. I returned the transmitter to WRMC and prepared it for shipping. I also inspected the antenna before meeting with you, Howie, Tiffany Sargent and Art Thorne. All of the above was discussed. Art agreed to move the sprinkler to cause less interference to the antenna. I agreed to find out if the grounds from the lightning rods could be bonded to the antenna mounting pipe. Howie agreed to pursue getting Mr. Brady, who requested the move, to pay for a new antenna, as he agreed to do in documents filed with the FCC. Tiffany agreed to secure the station license from whatever department is holding it. Later that day I called Shively Labs about the grounding question and to verify a price and delivery time for a new antenna. The antenna will be $700, FOB Bridgton, ME. Delivery time should be under one week. Their technical director will call me back on Wednesday. I then called Howie to inform him of what I found out.

Today I heard from Howie that he has made contact with Mr. Brady, that he is sending back the transmitter, and he read me the letter that he is sending to the FCC. I suggested some changes in it.

I will be happy to answer any questions pertaining to this work or your station. Please feel free to contact me at any time.

Date	Activity	Hours
06-23-95	Modify EBS equipment, modify telephone for use with Gentner unit	6.75
06-27-95	Remove transmitter for maintenance	0.75
06-28-95	Diagnose transmitter problems, call from Larry Maier	2.00
06-29-95	Call QEI & VT Telephone. Return transmitter, view antenna meet w/ WRMC personnel, Tiffany Sargent & Art Thorne regarding antenna problems. Call Shively antennas & Howie Young	4.50

Total Scheduled Hours	14.00
minus hours covered by retainer	8.00
additional hours @ $40 per hour	6.00

Retainer for June, July, August & September	$1,200.00
Additional Scheduled Labor @ $40 per Hour	$240.00
Total Labor	$1,440.00
Parts	$00.00
Grand Total (this amount due)	$1,440.00

Balance Due Upon Receipt of Invoice

sincerely yours,

Robert Cham

President

cc: Tiffany Sargent

Art Thorne

James Ross

p.s. Sorry the hard copy took so long to reach everyone! The balance was payed by the 8th of July.

Radio Frequency Systems, Inc.
Cablewave Systems Division

Cablewave Systems
60 Dodge Ave.
North Haven, CT 06473
☎ (203) 239-3311
FAX (203) 239-3796
SALES FAX (203) 234-7718

July 13, 1995

Mr. Robert Cham
R.F. Communications
9D Main Street
Bristol, VT 05443

Subject: FM Antenna ECFM-1 91.7 MHZ

Dear Sir:

Referencing our telephone discussion of July 13, 1995, be advised that we do not recommend changing frequency and retuning your antenna in the field. It is my understanding that your intent is to change from 91.7 MHZ to 91.1 MHZ.

Allow me to detail what is required to change to a lower frequency:

1. The element will have to be extended in length by an additional 6/8 inch which you can not do at both ends.
2. Additionally, you require an impedance bridge to adjust the gamma strap so that it reflects 50 ohms. This can not be done with the use of an expensive impedance bridge and the spectrum analyzer.

We do not recommend tuning in the field. Our antennas are very narrow band and can be extremely difficult to resonate.

May I suggest you consider the purchase of a new ECFM-1.

Sincerely,

William Meola
Consultant

12:07 Ledger Inquiry TUESDAY 8/08/95
Transaction Detail
45 WRMC/DEPRECIATION PROF SERVICES Subset by Month:

ransaction Origin 2=Expanded Line 3=J/E History 4=J/E Detail

Trn Date	Mo/Jrn/Typ	Description	Fo XC Tail	Amount
3/12/92	03-1081 10	SMITH R M ASSOCIATES	CD 03 000	1,557.29

Fiscal: 1992 Total: 1,557.29

F1=Help F3=Exit F7=Services F12=Cancel

R. M. SMITH ASSOCIATES

BROADCAST TECHNICAL CONSULTANTS
8 DEER RUN ROAD WINDHAM, NEW HAMPSHIRE 03087
(603) 894-6968 FAX (603) 894-5546

FEB 06 1992

INVOICE

INVOICE # RMC-01 DATE 1/31/92

DATE	HOURS	SERVICES PERFORMED	AMOUNT
12/17-1/31	8	Smith - Preparation of upgrade application for WRMC	$400.00
12/17-1/31	18.5	Roos - Upgrade application exhibits	$647.50

EXPENSES:

Parts		
Telephone		
Research	$509.79	
Office		
Travel		$509.79

TOTAL THIS INVOICE $1,557.29

PAST DUE FROM PREVIOUS INVOICES

TOTAL DUE UPON RECEIPT $1,557.29

Middlebury College

Middlebury, VT 05753

Attn: Mr. James D. Ross

1-1/2% Service Charge On Amounts
Outstanding Over 30 Days

RECEIVED
NOV 14 1991

November 14, 1991

Greetings and Salutations!

Here is a list of the items that WRMC needs replaced or altered as a result of our frequency change to 91.1:

1.) Bumper stickers. We give many of these away to students and community members. They serve as a great, noticeable form of advertising and WRMC's frequency is a necessary part of the design. We will soon order 2500 new stickers incorporating the change at a cost of $490.50, which includes freight charges.

2.) Letterhead. It currently has WRMC incorporated into the design. One new ream is $6.00.

3.) "This Week on WRMC" design. This is a legal-size leaflet distributed throughout town every week during summer and incorporates the frequency into the design. 100 copies are $6.00.

4.) Posters. WRMC has put up 100 posters around campus and town advertising our change. We will soon be placing 100 more in various establishments in the local area to further spread the word through the community because we are still recieving calls from worried people believing we have gone off the air. 200 copies are $12.00.

The grand sum is $524.50 and covers all our needs. Thanks very much for all your help.

Sincerely,

Matthew Hunter

Matthew Hunter
WRMC Station Manager

EDUCATIONAL FM ASSOCIATES • 19 Bolas Road • Duxbury, Massachusetts 02332
Telephone: (617) 585-9200

JAN 0 2 1991

INVOICE

To: Middlebury College

Date: December 28, 1990

For: Engineering work to facilitate settlement of frequency change with Pro Radio, inc.

Labor: Meeting with Mark Brady on December 10, 1990. 11.0 hours @ $60.00/hr. (Includes travel). $660.00.

Determination of power possible for WRMC at Chipman Hill on Channel 216. 2.0 hours. $120.00.

Preparation of Comments in MM Docket 90-509. 2.0 hours. $120.00.

Total Labor Charges.....$900.00

Expenses: Auto Mileage: Duxbury to Middlebury, VT and return: 432 miles @ 25 cents/mile. $108.00

Tolls: $1.50

Terrain Computer Studies on WGDR at Plainfield, Vermont and WTBC at Williston, VT: $200.00

Fedex, Postage, & Telephone: $24.50

Total Expenses..... $334.00

TOTAL NOW DUE AND PAYABLE $1,234.00

Orig to Cathy Walsh
1-2-91

:20 Ledger Inquiry TUESDAY 8/08/95

Transaction Detail

, WRMC/DEPRECIATION PROF SERVICES Subset by Month:

nsaction Origin 2=Expanded Line 3=J/E History 4=J/E Detail

Trn Date	Mo/Jrn/Typ	Description	Fo	XC	Tail	Amount
1/16/91	01-1062 10	EDUCATIONAL FM ASSOCIATE	CD	03	000	1,234.00
11/28/90	12-1003 10	EDUCATIONAL FM ASSOCIATE	CD	03	000	2,324.50

Total: 3,558.50

iscal: 1991

=Help F3=Exit F7=Services F12=Cancel

EDUCATIONAL FM ASSOCIATES • 19 Bolas Road • Duxbury, Massachusetts 02332
Telephone: (617) 585-9200

NOV 16 1990

INVOICE

To: Middlebury College

Date: November 15, 1990

For: Preparation of power increase and site change application for radio station WRMC.

Charges: Preparation of all required technical material and exhibits to support application. Meeting in Middlebury with Jim Ross, telephone conferences relative to project.

Flat Fee per Quotation:	$2,200.00
Auto Mileage. Duxbury to Middlebury VT and return. 432 miles @ 25 cents/mile.	$108.00
Tolls.	$1.50
Fedex for Shipping Report	$15.00
TOTAL DUE AND PAYABLE	$2,324.50

1992

March 12: Middlebury College pays R.M.Smith Associates $1,557.29 for the amendment to our application for an Effective Radiated Power level that will allow us to fit on the Chipman Hill tower. This money is from 99-345-03; see attached invoice dated January 31.

1993

The WRMC transmitter once again burns out because of technical problems associated with our change of frequency and structural problems in the Gifford copula.

1995

June: WRMC hires Bob Cham or R.P.Communications as engineer for the station. Through inspections of our transmitter and conversations with the manufacturer of our broadcast antenna and Larry Maier, the last WRMC engineer, Bob concludes that the technical part of our change of frequency was done incorrectly. In short, the work done was simply a change in the output of the transmitter. For the work to have been done properly, our transmitter should have been retuned and a new broadcast antenna (tuned to 91.1FM instead of 91.7) should have been purchased. I, after looking into the matter, find that ProRadio had Bob Smith do the work.

July: Jason Mantzoukas and I decide that we should look into haveing ProRadio pay for the correction of the work done in 1991 by Bob Smith for ProRadio. After looking further into the College's dealings with ProRadio, I find that none of the expenses incurred by WRMC's change of frequency were paid for by ProRadio (save the incorrect work done to our transmitter.)

September: Bob Cham installed the new broadcast antenna that WRMC purchased this summer. The antenna cost was approximately $700 and the installation cost is unknown.

The total amount ProRadio currently owes WRMC is $5,640.29 plus the cost of installing the new antenna. Because WRMC never recieved space on the Chipman Hill tower from ProRadio (as per our agreement,) the WRMC Board of Directors feel that this is a reasonable request. Given the record above, ProRadio should be accomodating in this matter. Please let us know how they receive this.

Sincerely,

Howard S. Young, III
Special Productions Manager

Memorandum

DATE: November 27, 1995

TO: Jim Ross

FROM: Howie Young, WRMC

RE: ProRadio

CC: Tiffany Sargent, David Ginnevan, Bob Cham

Jim,

Here, to the best of my knowledge, is a complete recount of why and how ProRadio came to owe WRMC a new antenna and other expenses in regards to our frequency move.

1989

ProRadio wants to increase the power of WMNM (Oldies92) to 6,000 watts E.R.P. This means WRMC will experience interference if we stay at 91.7FM; ProRadio asks WRMC to find a new frequency. In ProRadio's "Petition for Rule Making" (part of their application to make the power upgrade,) they agree to reimburse WRMC for all expenses related to making the frequency change, as is customary in these matters.

1990

WRMC decides that 91.1FM is a viable frequency for our purposes and agrees to change frequency. This is done with the understanding that ProRadio will not pay for the expenses related to this switch and, in exchange, allow WRMC free space on the Chipman Hill tower.

November 28: Middlebury College pays $2,324.50 to Educational FM Assoc. out of account 99-345-03. This is for WRMC's application to change frequency and related material; see attached invoice dated November 15, 1990.

1991

January 16: Middlebury College pays $1,234.00 out of account 99-345-03 to Educational FM Assoc. This amount is for meetings with Mark Brady of ProRadio, work done on finding a new frequency for WRMC and preparation of our document in support of ProRadio's upgrade in power. See attached invoice dated December 28, 1990.

November 14: Matt Hunter, General Manager of WRMC, submits an estimate of $524.50 for replacement of stationary with updated frequency. No addition to the WRMC accounts has been found in this amount for either 1991 or 1992.

RPCommunications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

July 18, 1995

Jason Mantzoukas
General Manager
WRMC
Drawer 29
Middlebury College
Middlebury, VT 05753

Dear Jason:

There is progress on the antenna front. As you know, Mark Brady agreed in his statements to the FCC, to cover all costs associated with changing WRMC's frequency. He relied on his consultant to do what was needed, and not hearing the contrary from you probably assumed that the problem had been adequately addressed. It is therefore easily understandable that he would feel surprise at this late date, to be told that there was still a problem that he needed to pay to have rectified.

Nevertheless he still has a responsibility to cover all costs of changing WRMC's frequency. Replacing the antenna is an appropriate cost as the manufacturer states in his enclosed letter to me, "... we do not recommend changing frequency and retuning your antenna in the field". He goes on to explain why it would not be possible to lower the resonant frequency of the antenna sufficiently to allow the antenna to be used on your present frequency. Thus Mark Brady's responsibility to purchase a new antenna for WRMC and pay to have it installed.

One could even make an argument for Mr. Brady bearing the cost of repairing the transmitter. This is that your previous engineer, Larry Maier noted after the antenna was "retuned" that the reflected power was at a level that was almost sure to destroy the output stage of the transmitter. The only problem with trying to make this argument is that there were other factors, (sprinkler system and lightning rod grounds) influencing the reflected power at the time. If Mr. Brady should try to counter your arguments with the existence of these other factors, your reply should be that the transmitter was functioning before the frequency change, as well as the statement by the antenna company that the antenna could not be retuned for the required frequency.

I recommend that you purchase a Shively Labs 6812 antenna to replace your current antenna. This antenna would not be usable when you move to a tower in another location and raise your power to 1, 000 watts. No appropriate antenna for that purpose would fit in the cupola. According to David Allen of Shively, this antenna would be available on approximately one week's notice. The price would be $700, FOB Bridgton Maine. No use can be made of your rebuilt transmitter until the antenna situation is cleared up.

In conversations with Bob Surette, Technical Director of Shively Labs, I determined that we could bond the ground cables for any lightning rods on the roof of the cupola to the pipe that the antenna is mounted to. The ground cables should run down the outside of the pipe. The only hitch is that the ground cable must go to a ground rod separate from the electrical system for the building. This ground cable should be mounted on the outside of the building. The ground rod or rods could be located right outside the building.

This in conjunction with Art Thorne's kind offer to move the sprinkler system within the cupola should minimize any reflected power within your transmission system. There will always be some reflected power above what would be normally expected due to mounting the antenna within the cupola, as well as the shorter than normal mounting pipe due to the structural limitations of mounting the antenna inside the cupola.

I will be happy to answer any questions pertaining to this work or your station. Please feel free to contact me at any time.

sincerely yours,

Robert Cham

President

cc: Tiffany Sargent

Art Thorne

James Ross

Rec'd 7/31/95
R

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

JUL 21 1995

IN REPLY REFER TO:
1800B3-LLS

James D. Ross, Consultant
Middlebury College
Middlebury, VT 05753

In re: WRMC-FM, Middlebury, VT
BPED-940422JG

Dear Mr. Ross:

This letter concerns the above-captioned application requesting reinstatement of an expired construction permit for unbuilt station WRMC-FM, Middlebury, Vermont.

In early May, Karen Mercer of the FM Branch telephoned you requesting that you submit additional information necessary for the continued processing of the application. Specifically, you were asked to submit a statement (1) describing in detail the circumstances surrounding the need for a new tower; (2) explaining when you first became aware of the need for the new tower; (3) indicating whether a modification application will be needed to specify new facilities or a new site (ie., will there be a change in tower height or location); and (4) outlining what progress, if any, has been made toward completion of construction. As of this date, no amendment has been forthcoming.

Accordingly, you are advised that you must file the requested information within twenty days of the date of this letter. Failure to respond within this time frame will result in the dismissal of your application pursuant to 47 C.F.R. § 73.3568(b).

Sincerely,

for Dennis Williams
Assistant Chief
Audio Services Division
Mass Media Bureau

MIDDLEBURY COLLEGE
MIDDLEBURY, VERMONT 05753
(802) 388-3711

August 7, 1995

Mr. Dennis Williams
Assistant Chief
Audio Services Division
Mass Media Bureau
Federal Communications Commission
Washington, DC 20554

RE: BPED-949422JG

Dear Mr. Williams:

This letter is in reply to your letter of June 21, 1995, (1800B3-LLS). I never actually spoke with Karen Mercer. It is possible that she spoke with a student at the station, or perhaps with personnel in another department of the college. To communicate with me directly, one should use the telephone number (802) 462-2872.

In reply to your questions:

1. The new tower is needed due to an inability to support any further equipment on the present tower. WRMC is not currently located upon this tower.

2. As late as August of 1992, our consultant, R.M. Smith, was still telling us that we should be able to be accommodated on the old tower. During the winter of 1992-93, it was decided to build a new tower to replace the present tower. The tower is actually being erected by a consortium consisting of two FM stations, the Town of Middlebury and two cellular companies. Construction has been delayed not only due to environmental hearings regarding the new tower, but also because one of the cellular companies (Contel) was sold during this time, and the process essentially began anew.

3. No modifications to the construction permit are needed as the new tower will be the same height and location as the old tower, but of a more robust construction.

4. At this point most of the contractual problems have been worked out, and the tower has been purchased and should be erected by next summer.

I trust that this is the information required of us, and that we can look forward to the timely reinstatement of our construction permit. Please feel free to contact me with any questions or concerns that you may have about this material.

Sincerely,

James D. Ross
Consultant

cc: David W. Ginevan
WRMC
Bob Cham

Midd C.

MR. Dennis Williams
Assistant Chief
Audio Services Division
Mass Media Bureau
Federal Communications Commission
Washington, DC 20554

Dear Mr. Williams: re: ~~1800B3-LLS~~ BPED-940425IG

This letter is in reply to your letter of June 21, 1995 (1800B3-LLS). I never actually spoke with Karen Mercer. It is possible that she spoke with a student at the station, or perhaps personnel in another department of the college. To communicate with me directly, one should use the telephone number (802) 462-2872.

In reply to your questions:

1) The new tower is needed due to an inability to support any further equipment on the present tower. WRMC is not currently located upon this tower.

2) As late as August of 1992, our consultant, R. M. Smith was still telling us that we should be able to be accommodated on the old tower. During the winter of 1992-93, it was decided to build a new tower to replace the present tower. The tower is actually being erected by a consortium consisting of two FM stations, the Town of Middlebury and two cellular companies. Construction has been delayed not only due to environmental hearings regarding the new tower, but also because one of the Cellular Companies (Contel) was sold during this time, and the process essentially began anew.

3) No modifications to the construction permit are needed as the new tower will be the same height and location as the old tower, but of a more robust construction.

4) At this point most of the contractual problems have been worked out, and the tower has been purchased and should be erected by next summer.

I trust that this is the information required of us, and that we can look forward to the timely reinstatement of our construction permit. Please feel free to contact me with any questions or concerns that you may have about this material.

Sincerely,
JSR
Consultant

CC: DWG
WRMC
Bob Cham

RPCommunications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

August 15, 1995

Fred Dunnington
Town Planner
Town of Middlebury
Middlebury, VT 05753

Dear Fred:

Chris Ciolfi of Bell Atlantic has asked us to inform you in writing of WRMC's requirements for tower space on the new tower on Chipman Hill. We need space for both a 2-bay FM broadcast antenna, a station to transmitter link (STL) antenna, and most probably a return link antenna. We assume that such space would be without monthly cost to the college, other than electric power .

The antenna manufacturer informs me that the FM antenna must be separated from other broadcast antennas by at least 20', and all other antennas or other structures by at least 10'. All three antennas must be above current and future treelines. No other antennas or structures can share tower space with the FM antenna. This means that a minimum of 30' of tower space above treeline, free of all other antennas and structures, needs to be reserved for WRMC's FM broadcast antenna. The free space necessary would increase to 40' if either adjacent antenna were another broadcast antenna such as the one belonging to Dynamite Radio.

The STL and return link antennas can share tower space with other antennas not in the same frequency band, mounted on other legs of the tower, provided that they have clear line of site to WRMC's studio site. As an example it would not be a good idea to mount WRMC's STL antenna in close proximity to Dynamite Radio's STL antenna.

As it is unlikely that there is this much tower space available, we have looked in to alternatives for mounting antennas. The first alternative is that if the antennas are designed as a unit, they can be mounted on opposing tower legs in the same vertical aperture. Thus WRMC's antenna would not require any tower space beyond that to be used by Dynamite Radio's three bay antenna. The second alternative is a panel antenna carrying both WRMC and Dynamite Radio. Once again no additional tower space would be required beyond that used by Dynamite Radio, except for STL and return link antennas.

The problem with either of these alternatives is cost. They breakdown as follows:

Separate Antennas

2-bay antenna for WRMC w/ deicers	$6,425.00
3-bay antenna for Dynamite Radio w/ deicers	$8,000.00
thermostat and control unit for deicers	$1,525
Total	$15,950.00

Interleaved Antennas

Above antennas designed together to be mounted in same vertical aperture (includes necessary filters)	$44,950.00

Panel Antenna

panel antenna w/ multiplexer to allow carrying both stations	$100,000.00 (approximate)

All prices are more than two years old, and do not include shipping, tax, transmission line or mounting. New quotes are on the way from the manufacturer. Manufacturers are reluctant to bid on panel antennas unless one is serious about purchasing an antenna, as there is considerable labor involved in working up a quote, due to the custom nature of such installations. The interleaved antennas alternative will require some additional room in the transmitter building for the filters. The panel antenna alternative would require substantial additional space in the transmitter building for the multiplexer.

Should there be room for separate antennas, WRMC would expect to pay only for it's own antenna costs. Should the alternative of interleaved antennas be selected, WRMC would expect to pay only for it's own antenna and one half the associated costs, not for Dynamite Radio's antenna. Even one half the cost of the panel antenna alternative is probably out of the question for WRMC.

Due to the amount of time that has elapsed, WRMC's construction permit has expired. We have petitioned the Federal Communications Commission for reinstatement of that construction permit. We expect that it will be reinstated shortly, but find it unlikely that the commission would listen to any arguments for extending it beyond next July. Given the above we must regard next July as an absolute deadline for completion of this project.

sincerely yours,

Robert Cham

President

cc: James Ross

SEP 15 1995

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
MODIFICATION OF CONSTRUCTION PERMIT
FM STATION
(Class Station)

File No. BPED-940422JG
Call Sign: WRMC-FM
Modification No.

PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE
MIDDLEBURY COLLEGE
MIDDLEBURY, VT 05753

Permittee PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE

Station location: MIDDLEBURY, VERMONT

Associated Broadcast station:

The Authority Contained in Authorization File No. BPED-901119MB

dated MARCH 25, 1992 granted to the Permittee listed above is hereby modified in part as follows:

CP TO REPLACE EXPIRED PERMIT.

DATE OF REQUIRED COMPLETION OF CONSTRUCTION: FEBRUARY 29, 1996

The modification of construction permit shall be attached to and be made a part of the construction permit of this station.

Except as herein expressly modified, the above-mentioned construction permit, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated: AUGUST 29, 1995

FEDERAL
COMMUNICATIONS
COMMISSION

F.C.C. WASHINGTON, D.C.

FCC Form 361
October 1978

ISSUED BY: DFORD

SEP 18 1995

FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20554

AUG 29 1995

IN REPLY REFER TO:
1800B3-LLS

James D. Ross
Middlebury College
Middlebury, VT 05753

In re: WRMC-FM, Middlebury, VT
BPED-940422JG

Dear Mr. Ross:

This letter concerns the above-captioned application requesting reinstatement of an expired construction permit for station WRMC-FM, Middlebury, Vermont.

Background. Construction permit BPED-901119MB, granted on March 25, 1992, required that construction of WRMC-FM's facilities be completed by September 25, 1993. The President and Fellows of Middlebury College ("Middlebury") failed to file a request for extension of time on FCC Form 307, or to notify the Commission that construction had been complete by filing an application for license to cover on FCC Form 302, as required. On February 28, 1994, the Commission issued a letter informing Middlebury that its construction permit was being declared forfeited. Upon receipt of this letter, Middlebury filed an application for reinstatement of the expired construction permit. We will treat this application as a request for reconsideration of the cancellation of Middlebury's construction permit. On July 21, 1995, the staff requested that Middlebury submit additional information and, on August 15, 1995, Middlebury responded to the staff's request.

In its request, Middlebury indicates that it intends to mount its antenna on an existing tower and was assured by its consultant that the tower would accommodate its antenna. However, in late 1992, Middlebury discovered that the existing tower would not support the addition of another antenna. In order to accommodate Middlebury, the tower owners[1] agreed to construct a new tower and have been involved in negotiations to that effect for the last year. At this time, Middlebury contends that all contractual and environmental problems have been resolved, the new tower has been purchased, and construction will be complete by early next

[1] The tower is owned by a consortium consisting of two FM stations, two cellular companies, and the Town of Middlebury.

summer.[2] Middlebury further states that its failure to file the requisite FCC Form 307 was simply due to an oversight and contends that it has the resources available and is prepared to build the facilities as soon as construction of the new tower is completed.

Discussion. Section 73.3534(b) states, in pertinent part, that an applicant requesting reinstatement of an expired construction permit must demonstrate that "[n]o progress has been made for reasons clearly beyond the control of the permittee . . . but the permittee has taken all possible steps to resolve the problem and proceed with construction. See 47 C.F.R. § 73.3534(b)(3). In this instance, we agree that Middlebury's delay in constructing was the direct result of the discovery that the tower upon which it intended to mount its antenna would not support an additional antenna. Further, we find that Middlebury's extensive efforts to overcome this situation were hindered by a series of unexpected delays. These delays include (1) extended negotiations between the tower owners, the land owners, and the other occupants on the tower; (2) environmental hearings regarding the new tower; and (3) the sale of one of the companies who is a part owner in the tower. Therefore, we are persuaded that Middlebury's inability to construct WRMC-FM was due to circumstances beyond its control and that it has taken the steps necessary to resolve the matter as expeditiously as possible.

Conclusion. Since Middlebury has demonstrated that concrete steps have been taken to resolve all contractual and environmental problems and complete construction of the tower, that it is committed to building WRMC-FM's facilities as soon as the tower is completed, and has filed an application to reinstate the expired construction permit, we will reconsider our action of February 28, 1994, in which we forfeited Middlebury's construction permit.[3] Accordingly, the petition for reconsideration IS HEREBY GRANTED and the Commission's action of February 28, 1994 forfeiting construction permit BPED-901119MB IS HEREBY RESCINDED. Additionally, the application requesting reinstatement of the construction permit (BPED-940422JG) IS GRANTED and the subject construction permit IS EXTENDED for a period of six (6) months from the date of this letter.

Sincerely,

Larry D. Eads, Chief
Audio Services Division
Mass Media Bureau

---

[2] According to Middlebury, a modification application is unnecessary because the new tower will be the same height and at the same location as the existing tower.

[3] However, we note that Middlebury failed to file its FCC Form 307 for approximately 7 months and caution it to be more attentive to the expiration date of its construction permit in the future.

Student Activities

McCullough Student Center...Middlebury College...Middlebury, VT 05753-6161...(802)388-3711 x3103
FAX(802)388-3711 x4910...E MAIL: tsargent@middlebury.edu

To: Jim Ross ✓

cc: Dave Ginevan
Bob Cham
Jason Montzoukas
Howie Young

From: Tiffany Nourse Sargent

Date: 6 November 1995

Re: **WRMC FOLLOW UP / MARK BRADY**

It's been quite a while since we last met and I wondered if there is any update on the aftermath of the pursuit of the money owed to WRMC by Mark Brady.

Could you please let us know what has happened to date and if there is anything further that can or needs to be done?

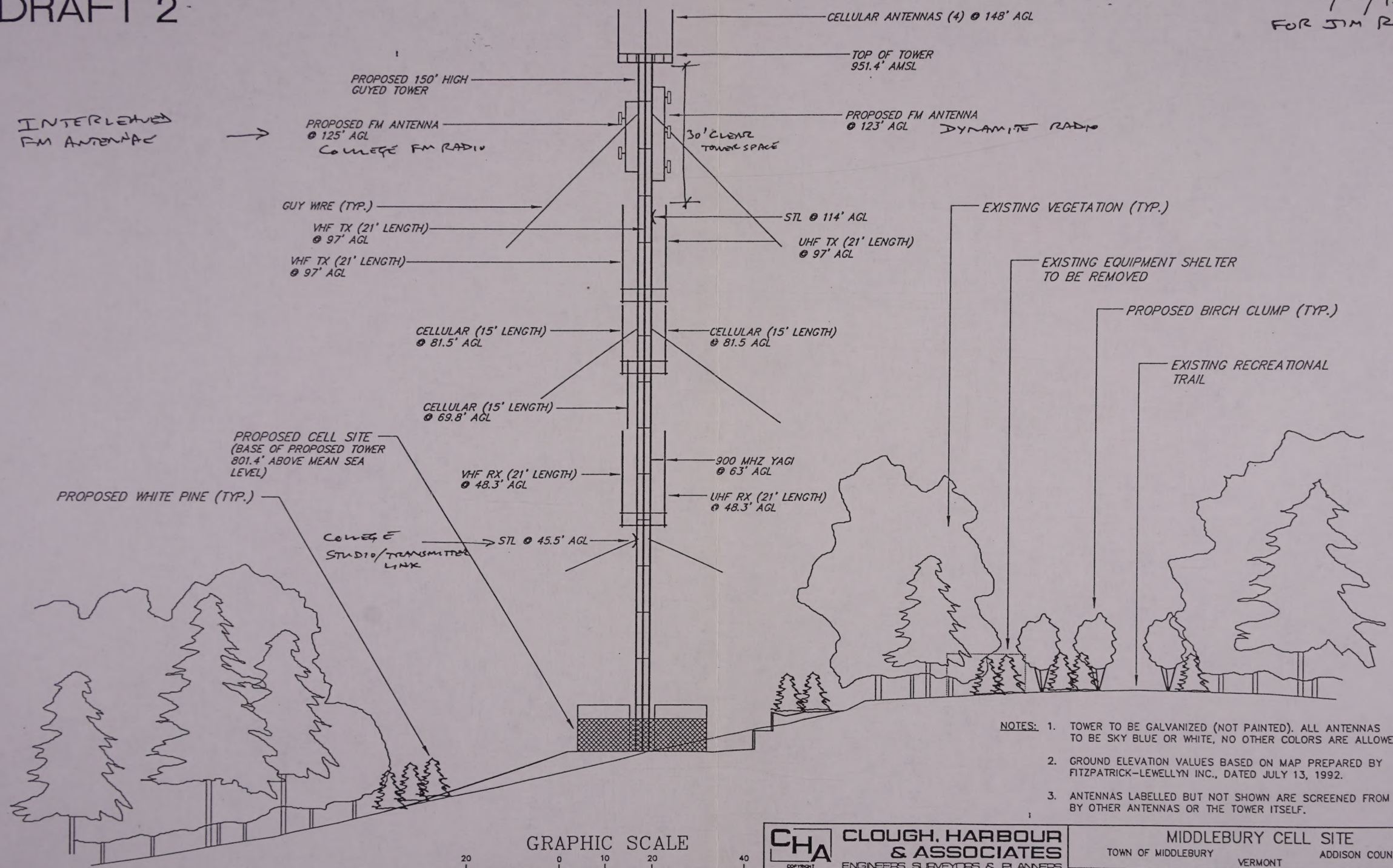
Also, I have heard very little regarding news on the potential tower sites. Do you know if anyone has contacted the College regarding the possible Snake Mountain or Chipman Hill sites? Where are we at with these efforts?

Please let me know if there is anything the students or I can do to help.

Thanks for providing this feedback.

DRAFT 2

11/21/95
FOR JIM ROSS



NOTES:
1. TOWER TO BE GALVANIZED (NOT PAINTED). ALL ANTENNAS TO BE SKY BLUE OR WHITE, NO OTHER COLORS ARE ALLOWED.
2. GROUND ELEVATION VALUES BASED ON MAP PREPARED BY FITZPATRICK–LEWELLYN INC., DATED JULY 13, 1992.
3. ANTENNAS LABELLED BUT NOT SHOWN ARE SCREENED FROM VIEW BY OTHER ANTENNAS OR THE TOWER ITSELF.

GRAPHIC SCALE
20 0 10 20 40
1 inch = 20 ft.

CHA
COPYRIGHT © 1995
CLOUGH, HARBOUR & ASSOCIATES
ENGINEERS, SURVEYORS & PLANNERS
III WINNERS CIRCLE ALBANY, NEW YORK, 12205

CELLCO PARTNERSHIP
Bell Atlantic NYNEX Mobile
48 BROADWAY – MENANDS, NEW YORK – 12204

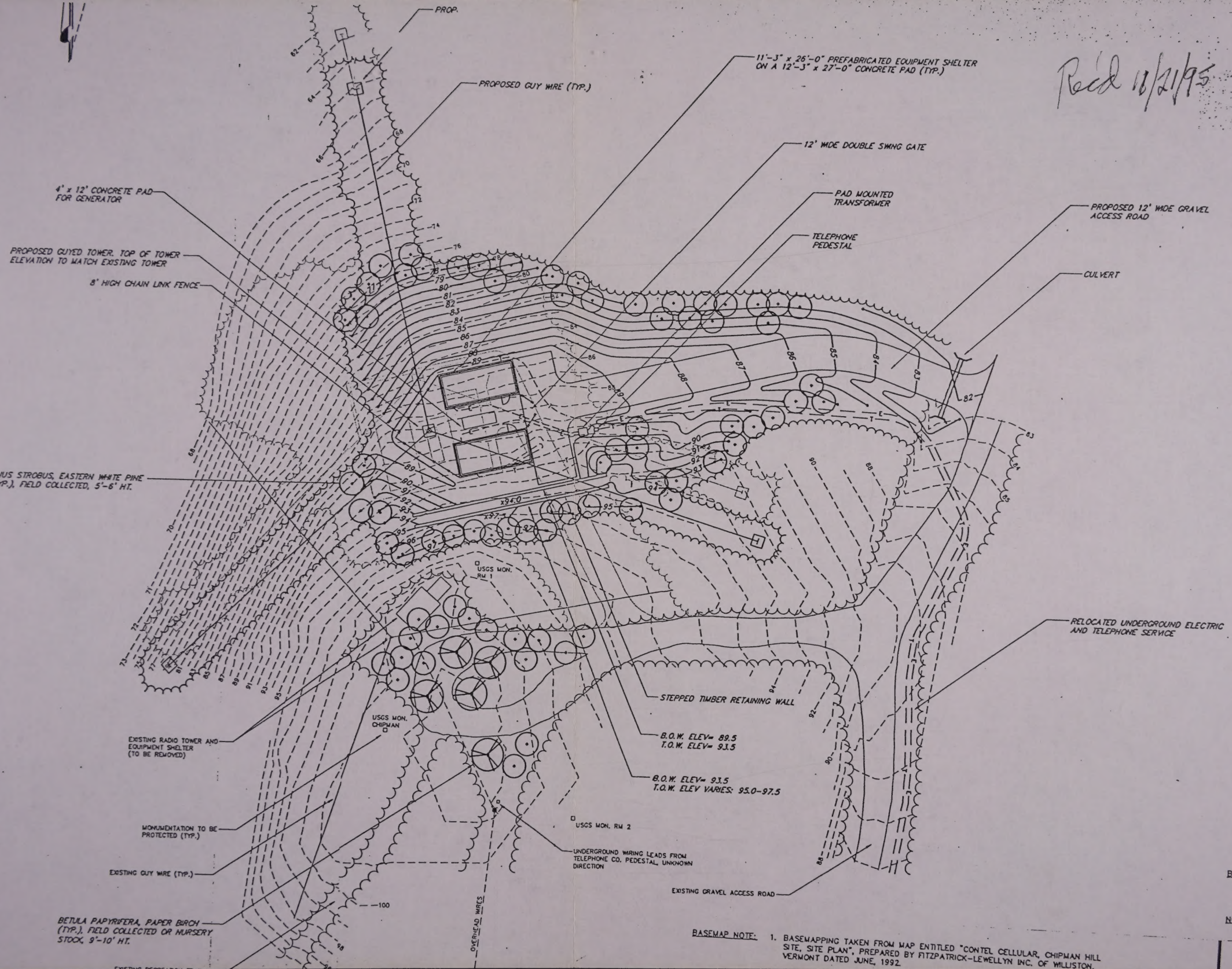
MIDDLEBURY CELL SITE
TOWN OF MIDDLEBURY ADDISON COUNTY
VERMONT

TOWER SECTION/ELEVATION

SCALE: 1"=20' DATE: NOVEMBER 7, 1995

I:\2540R\01\63\SKETCH2.DWG, PLOT: 1=20, D.R.D., 11/3/95

Rec'd 10/21/95



BASEMAP NOTE:

1. BASEMAPPING TAKEN FROM MAP ENTITLED "CONTEL CELLULAR, CHIPMAN HILL SITE, SITE PLAN", PREPARED BY FITZPATRICK-LEWELLYN INC. OF WILLISTON, VERMONT DATED JUNE, 1992.

RPCommunications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

Balance Due Upon Receipt of Invoice

December 2, 1995

Jason Mantzoukas
General Manager
WRMC
Drawer 29
Middlebury College
Middlebury, VT 05753

Dear Jason:

The following is a detailing of all labor costs due to your changing of frequency at the request of Mark Brady . Do not forget to add in the cost of transmitter rebuilding as well as the cost of the new antenna and adapter.

On June 27th I removed the transmitter from service, connecting the exciter in it's place, allowing an effective radiated power of approximately 3 watts. I then removed the unit to my shop for service.

On June 28th, I called Larry Maier, and eventually received a call back after completing an initial diagnosis of the transmitter. Larry was full of information. He had rebuilt the transmitter "5 or 6 times" due to a number of problems some of which still exist. The first was a workman who removed or possibly, according to Art Thorne, cut the transmission line from the transmitter without turning it off. This will always destroy at least the output transistors in this transmitter. The transmission line should also be carefully inspected for any unrepaired damage.

The order of the following incidents is unclear in my mind, but apparently they all happened. First some background. VSWR is a measure of how much power is reflected back to the transmitter from the antenna. There is always some, because no antenna is a perfect load. The VSWR can also be affected by metal objects placed near the antenna, or an antenna tuned to the wrong frequency. A VSWR of 1.1/1.0 is good. 1.5/1.0 is the very edge of the acceptable. Anything over that will almost certainly destroy the output section of this transmitter.

A sprinkler was installed in the cupola complete with a water pipe running up parallel with the antenna. Lightning rods were installed on the roof of the cupola. Heavy ground cables run down from them parallel to the antenna. The frequency of the station was changed without changes to the antenna. This occurred after Larry warned the staff that the antenna could not be retuned, and must be replaced. After the sprinkler and lightning rods were installed the VSWR was approximately 1.5/1.0. Art Thorne agreed to temporarily remove the cables from the lightning rods and apparently the VSWR went down somewhat, but the transmitter was still unstable into that load, and apparently had to be rebuilt at least once more. Then the station changed frequency and the VSWR went to over 2.0/1.0. This resulted in at least one rebuild and the current situation.

Larry also told me that previous rebuilds had required much more than the 3 transistors that Howie had obtained for $300. QEI who built the transmitter, will rebuild and update the transmitter for $525, less than I could do it for when the transistors are figured into the equation. I suggested this course to Howie.

On June 29th, I called QEI to confirm details of the rebuild,. I returned the transmitter to WRMC and prepared it for shipping. I also inspected the antenna before meeting with you, Howie, Tiffany Sargent and Art Thorne. All of the above was discussed. Art agreed to move the sprinkler to cause less interference to the antenna. I agreed to find out if the grounds from the lightning rods could be bonded to the antenna mounting pipe. Howie agreed to pursue getting Mr. Brady, who requested the move, to pay for a new antenna, as he agreed to do in documents filed with the FCC. Tiffany agreed to secure the station license from whatever department is holding it. Later that day I called Shively Labs about the grounding question and to verify a price and delivery time for a new antenna. The antenna will be $700, FOB Bridgton, ME. Delivery time should be under one week. Their technical director will call me back on Wednesday. I then called Howie to inform him of what I found out.

On June 30th, I heard from Howie that he has made contact with Mr. Brady, that he is sending back the transmitter.

Work in July and August consisted of determining and verifying that the old antenna could not have been retuned for your new frequency, writing a report to that effect, and gathering information for purchase of a new antenna.

In September and October, I installed the new antenna and rebuilt transmitter, retuned the transmitter to properly match the new antenna, calculated the proper transmitter power output for the new antenna and produced a transmitter efficiency chart for use by board operators due to the different gain of the new antenna. In installing the new antenna, I discovered that it used a different input connector from the old antenna. I found and old adapter on site and attempt to use it, only to have it crack upon installation. A new adapter was ordered and installed.

As you know, Mark Brady agreed in his statements to the FCC, to cover all costs associated with changing WRMC's frequency. He relied on his consultant to do what was needed, and not hearing the contrary from you probably assumed that the problem had been adequately addressed. It is therefore easily understandable that he would feel surprise at this late date, to be told that there was still a problem that he needed to pay to have rectified.

Nevertheless he still has a responsibility to cover all costs of changing WRMC's frequency. Replacing the antenna is an appropriate cost as the manufacturer states in his enclosed letter to me, "... we do not recommend changing frequency and retuning your antenna in the field". He goes on to explain why it would not be possible to lower the resonant frequency of the antenna sufficiently to allow the antenna to be used on your present frequency. Thus Mark Brady's responsibility to purchase a new antenna for WRMC and pay to have it installed.

One could even make an argument for Mr. Brady bearing the cost of repairing the transmitter. This is that your previous engineer, Larry Maier noted after the antenna was "retuned" that the reflected power was at a level that was almost sure to destroy the output stage of the transmitter. From the fact that the transmitter was functioning before the frequency change, as well as the statement by the antenna company that the antenna could not be retuned for the required frequency, It is clear to me that the most recent failure of your transmitter is due to the fact that it was operating into an antenna that was tuned to the wrong frequency.

As you have stated that the work that will be billed to Mr. Brady is not to be included in my normally billed work, I am billing you for it at this time. I understand further that you will not wait to be reimbursed by Mr. Brady before settling this bill with me. I will be happy to answer any questions pertaining to this work or your station. Please feel free to contact me at any time.

Date	Activity	Hours
06-27-95	Remove transmitter for maintenance	0.75
06-28-95	Diagnose transmitter problems, call from Larry Maier	2.00
06-29-95	Call QEI. Return transmitter, view antenna meet w/	4.50

	WRMC personnel, Tiffany Sargent & Art Thorne regarding antenna problems. Call Shively antennas & Howie Young.	
06-30-95	Call from Howie	0.25
07-03-95	Calls to Larry Maier, Jason Mantzoukas and Cablewave (Phelps-Dodge)	1.25
07-05-95	Calls to/ from Bob Surette (Shively) and Art Thorne	0.50
07-06-95	Call Art Thorne	0.25
07-12-95	Call Bill Meola (Cablewave)	0.25
07-13-95	Call Bill Meola & Jason Mantzoukas	0.25
07-17-95	WRMC report	1.00
07-18-95	WRMC report	1.00
08-01-95	Call from Howie	0.25
09-08-95	Attempt to install new Antenna. Order new adapter after old one breaks. Call Bob Surrette	4.00
09-20-95	Install & tune new antenna and rebuilt transmitter	7.00
09-21-95	Calculate proper transmitter power output (TPO) for new antenna	1.00
10-23-95	Produce transmitter efficiency chart.	2.00
12-02-95	Produce this report	1.50
	Total Scheduled Hours	27.75
	minus hours already billed	12.00
	additional hours @ $40 per hour	15.75

Additional Scheduled Labor @ $40 per Hour $630.00

Total Labor (not previously billed) $630.00

Grand Total (this amount due) $630.00

Balance Due Upon Receipt of Invoice

sincerely yours,

Robert Cham

President

cc: Tiffany Sargent

Art Thorne

James Ross

Memorandum

DATE: November 27, 1995

TO: Jim Ross

FROM: Howie Young, WRMC

RE: ProRadio

CC: Tiffany Sargent, David Ginnevan, Bob Cham

Jim,

Here, to the best of my knowledge, is a complete recount of why and how ProRadio came to owe WRMC a new antenna and other expenses in regards to our frequency move.

1989

ProRadio wants to increase the power of WMNM (Oldies92) to 6,000 watts E.R.P. This means WRMC will experience interference if we stay at 91.7FM; ProRadio asks WRMC to find a new frequency. In ProRadio's "Petition for Rule Making" (part of their application to make the power upgrade,) they agree to reimburse WRMC for all expenses related to making the frequency change, as is customary in these matters.

1990

WRMC decides that 91.1FM is a viable frequency for our purposes and agrees to change frequency. This is done with the understanding that ProRadio will not pay for the expenses related to this switch and, in exchange, allow WRMC free space on the Chipman Hill tower.

November 28: Middlebury College pays $2,324.50 to Educational FM Assoc. out of account 99-345-03. This is for WRMC's application to change frequency and related material; see attached invoice dated November 15, 1990.

1991

January 16: Middlebury College pays $1,234.00 out of account 99-345-03 to Educational FM Assoc. This amount is for meetings with Mark Brady of ProRadio, work done on finding a new frequency for WRMC and preparation of our document in support of ProRadio's upgrade in power. See attached invoice dated December 28, 1990.

November 14: Matt Hunter, General Manager of WRMC, submits an estimate of $524.50 for replacement of stationary with updated frequency. No addition to the WRMC accounts has been found in this amount for either 1991 or 1992.

1992

March 12: Middlebury College pays R.M.Smith Associates $1,557.29 for the amendment to our application for an Effective Radiated Power level that will allow us to fit on the Chipman Hill tower. This money is from 99-345-03; see attached invoice dated January 31.

1993

The WRMC transmitter once again burns out because of technical problems associated with our change of frequency and structural problems in the Gifford copula.

1995

June: WRMC hires Bob Cham or R.P.Communications as engineer for the station. Through inspections of our transmitter and conversations with the manufacturer of our broadcast antenna and Larry Maier, the last WRMC engineer, Bob concludes that the technical part of our change of frequency was done incorrectly. In short, the work done was simply a change in the output of the transmitter. For the work to have been done properly, our transmitter should have been retuned and a new broadcast antenna (tuned to 91.1FM instead of 91.7) should have been purchased. I, after looking into the matter, find that ProRadio had Bob Smith do the work.

July: Jason Mantzoukas and I decide that we should look into haveing ProRadio pay for the correction of the work done in 1991 by Bob Smith for ProRadio. After looking further into the College's dealings with ProRadio, I find that none of the expenses incurred by WRMC's change of frequency were paid for by ProRadio (save the incorrect work done to our transmitter.)

September: Bob Cham installed the new broadcast antenna that WRMC purchased this summer. The antenna cost was approximately $700 and the installation cost is unknown.

The total amount ProRadio currently owes WRMC is $5,640.29 plus the cost of installing the new antenna. Because WRMC never recieved space on the Chipman Hill tower from ProRadio (as per our agreement,) the WRMC Board of Directors feel that this is a reasonable request. Given the record above, ProRadio should be accomodating in this matter. Please let us know how they receive this.

Sincerely,

Howard S. Young, III
Special Productions Manager

EDUCATIONAL FM ASSOCIATES • 19 Bolas Road • Duxbury, Massachusetts 02332
Telephone: (617) 585-9200

NOV 16 1990

INVOICE

To: Middlebury College

Date: November 15, 1990

For: Preparation of power increase and site change application for radio station WRMC.

Charges: Preparation of all required technical material and exhibits to support application. Meeting in Middlebury with Jim Ross, telephone conferences relative to project.

Flat Fee per Quotation:	$2,200.00
Auto Mileage. Duxbury to Middlebury VT and return. 432 miles @ 25 cents/mile.	$108.00
Tolls.	$1.50
Fedex for Shipping Report	$15.00
TOTAL DUE AND PAYABLE	$2,324.50

8:20 Ledger Inquiry TUESDAY 8/08/95

Transaction Detail

45 WRMC/DEPRECIATION PROF SERVICES Subset by Month:

ransaction Origin 2=Expanded Line 3=J/E History 4=J/E Detail

Trn Date	Mo/Jrn/Typ	Description	Fo	XC	Tail	Amount
1/16/91	01-1062 10	EDUCATIONAL FM ASSOCIATE	CD	03	000	1,234.00
11/28/90	12-1003 10	EDUCATIONAL FM ASSOCIATE	CD	03	000	2,324.50

Total: 3,558.50

Fiscal: 1991

F1=Help F3=Exit F7=Services F12=Cancel

EDUCATIONAL FM ASSOCIATES • 19 Bolas Road • Duxbury, Massachusetts 02332
Telephone: (617) 585-9200

JAN 0 2 1991

INVOICE

To: Middlebury College

Date: December 28, 1990

For: Engineering work to facilitate settlement of frequency change with Pro Radio, inc.

Labor: Meeting with Mark Brady on December 10, 1990. 11.0 hours @ $60.00/hr. (Includes travel). $660.00.

Determination of power possible for WRMC at Chipman Hill on Channel 216. 2.0 hours. $120.00.

Preparation of Comments in MM Docket 90-509. 2.0 hours. $120.00.

Total Labor Charges.....$900.00

Expenses: Auto Mileage. Duxbury to Middlebury, VT and return: 432 miles @ 25 cents/mile. $108.00

Tolls: $1.50

Terrain Computer Studies on WGDR at Plainfield, Vermont and WTBC at Williston, VT: $200.00

Fedex, Postage, & Telephone: $24.50

Total Expenses..... $334.00

TOTAL NOW DUE AND PAYABLE $1,234.00

Orig to Cathy Walsh
1-2-91

RECEIVED
NOV 14 1991

November 14, 1991

Greetings and Salutations!

Here is a list of the items that WRMC needs replaced or altered as a result of our frequency change to 91.1:

1.) Bumper stickers. We give many of these away to students and community members. They serve as a great, noticeable form of advertising and WRMC's frequency is a necessary part of the design. We will soon order 2500 new stickers incorporating the change at a cost of $490.50, which includes freight charges.

2.) Letterhead. It currently has WRMC incorporated into the design. One new ream is $6.00.

3.) "This Week on WRMC" design. This is a legal-size leaflet distributed throughout town every week during summer and incorporates the frequency into the design. 100 copies are $6.00.

4.) Posters. WRMC has put up 100 posters around campus and town advertising our change. We will soon be placing 100 more in various establishments in the local area to further spread the word through the community because we are still recieving calls from worried people believing we have gone off the air. 200 copies are $12.00.

The grand sum is $524.50 and covers all our needs. Thanks very much for all your help.

Sincerely,

Matthew Hunter
WRMC Station Manager

R. M. SMITH ASSOCIATES

BROADCAST TECHNICAL CONSULTANTS
8 DEER RUN ROAD WINDHAM, NEW HAMPSHIRE 03087
(603) 894-6968 FAX (603) 894-5546

FEB 06 1992

INVOICE

DATE 1/31/92

INVOICE # RMC-01

DATE	HOURS	SERVICES PERFORMED	AMOUNT
12/17-1/31	8	Smith - Preparation of upgrade application for WRMC	$400.00
12/17-1/31	18.5	Roos - Upgrade application exhibits	$647.50

EXPENSES:

Parts		
Telephone		
Research	$509.79	
Office		$509.79
Travel		

TOTAL THIS INVOICE $1,557.29

PAST DUE FROM PREVIOUS INVOICES

TOTAL DUE UPON RECEIPT $1,557.29

Middlebury College

Middlebury, VT 05753

Attn: Mr. James D. Ross

1-1/2% Service Charge On Amounts
Outstanding Over 30 Days

42:07 Ledger Inquiry TUESDAY 8/08/95

Transaction Detail

345 WRMC/DEPRECIATION PROF SERVICES Subset by Month:

:ransaction Origin 2=Expanded Line 3=J/E History 4=J/E Detail

t	Trn Date	Mo/Jrn/Typ	Description	Fo	XC	Tail	Amount
	3/12/92	03-1081 10	SMITH R M ASSOCIATES	CD	03	000	1,557.29

Total: 1,557.29

Fiscal: 1992

F1=Help F3=Exit F7=Services F12=Cancel

Radio Frequency Systems, Inc.
Cablewave Systems Division

Cablewave Systems
60 Dodge Ave.
North Haven, CT 06473
☎ (203) 239-3311
FAX (203) 239-3796
SALES FAX (203) 234-7718

July 13, 1995

Mr. Robert Cham
R.F. Communications
9D Main Street
Bristol, VT 05443

Subject: FM Antenna ECFM-1 91.7 MHZ

Dear Sir:

Referencing our telephone discussion of July 13, 1995, be advised that we do not recommend changing frequency and retuning your antenna in the field. It is my understanding that your intent is to change from 91.7 MHZ to 91.1 MHZ.

Allow me to detail what is required to change to a lower frequency:

1. The element will have to be extended in length by an additional 6/8 inch which you can not do at both ends.
2. Additionally, you require an impedance bridge to adjust the gamma strap so that it reflects 50 ohms. This can not be done with the use of an expensive impedance bridge and the spectrum analyzer.

We do not recommend tuning in the field. Our antennas are very narrow band and can be extremely difficult to resonate.

May I suggest you consider the purchase of a new ECFM-1.

Sincerely,

William Meola
Consultant

ISO 9001
Certificate No. 2538

MIDDLEBURY COLLEGE
MIDDLEBURY, VERMONT 05753
(802) 388-3711

EXHIBIT #2

November 29, 1995

Mr. Larry D. Eads, Chief
Audio Services Division
Mass Media Bureau
Federal Communications Commission
Washington, DC 20554

Dear Mr. Eads:

This letter is in reply to yours of August 19, 1995 (1800B3-LLS).

Since receiving the extension of our construction permit (BPED-901119MB), I have put forth considerable effort to speed the construction okf the new tower mentioned in my last letter to you. As you will no doubt remember, the tower is actually being erected by a consortium consisting of two FM stations, the Town of Middlebury and two cellular companies. Construction has been delayed not only due to environmental hearings regarding the new tower, but also because one of the cellular companies (Contel) was sold during this time, and the process essentially began anew.

The last remaining hurdle to be cleared is the last of the environmental hearings. The permit process has completed it's normal course, and this is actually the last opportunity for appeal by a nearby resident not in favor of the new tower. We do not feel that he has any chance of success as the new tower does not differ in height from the old one, nor is it lighted. This is scheduled for late December, and would theoretically allow for completion of our power upgrade in the allotted time.

However, we have run out of construction season here in Vermont. New footings for the tower cannot be poured until at last early April. Thus we cannot conceivably finish the project by February 28, 1996. We really do need the time we originally requested. We thus ask that the construction permit be extended until June 30, 1996. This should allow

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us to complete the project with a slight margin for any unforeseen circumstances that might arise.

Please feel free to contact me with any questions or concerns that you may have about this material. My telephone number is 802-462-2872.

Sincerely,

James D. Ross

James D. Ross
Consultant

cc: David W. Ginevan
Robert Cham
Tiffany Nourse Sargent
Howie Young

MIDDLEBURY COLLEGE
MIDDLEBURY, VERMONT 05753
(802) 388-3711

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James D. Ross
Consultant

cc: David W. Ginevan
Robert Cham
Tiffany Nourse Sargent
Howie Young

Mr. Larry D. Eads, Chief
~~Chief~~
Audio Services Division
Mass Media Bureau

Federal Communications Commission
Washington, D.C. 20554

Dear Mr. ~~Williams~~ Eads:

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Please feel free to contact me with any questions or concerns that you may have about this material. To communicate with me directly, one should use the telephone number (802) 462-2872.

Sincerely,

JAMES D. ROSS
Consultant
RPC Corp

CC: David Ginevan
Robert Chamberlin
90 Main St
05443

bc: Tiffany Nourse Sargent
Howie Young

A: DWG

Rec'd 12/16/95
R

RP Communications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

Balance Due Upon Receipt of Invoice

December 02, 1995

James Ross
R D 2
Box 540
Middlebury, VT 05753

Dear Jim:

Here is my bill for services rendered to you regarding the Chipman Hill site through December 1, 1995. I should be able to get budget for the transmitter site to you by late next week.

I will be happy to answer any questions pertaining to this work or your station. Please feel free to contact me at any time.

Date	Activity	Hours
08-02-95	Calls to/from Jim Ross	0.25
08-03-95	Meet with Jim Ross, Call Gary Savoie (Snake Mountain)	1.25
08-04-95	Meet with Jim Ross, Calls from Gary Savoie and Howie Young	2.00
08-07-95	Calls to/from and Fax from Howie Young	0.50
08-08-95	Calls/fax to/from Jason Mantzoukas & Gary Savoie	1.75
08-10-95	Calls to/from Jim Ross, Howie Young & Chris Chiolfi (NYNEX Cellular)	1.50
08-11-95	Calls to/from David Allen & Bob Surrette (both Shively)	1.25
08-14-95	Call Howie Young, Letter to Fred Dunnington	2.50
08-15-95	Meet w/ Jim Ross	0.25
08-18-95	Call Jason Mantzoukas	0.25
08-29-95	Calls/fax from Joe Sorrentino (NYNEX Cellular) & Howie Young	1.25

09-22-95	Calls to/from Dave Ginevan, Jim Ross, Howie Young & Gary Savoie	1.00
10-16-95	Call Chris Chiolfi & Jim Ross	0.50
10-17-95	Call/fax from Chris Chiolfi	1.25
10-31-95	Call from Karl Rinker (Town of Middlebury consultant)	1.25
11-20-95	Call Gary Savoie & Dave Ginevan	0.25
11-22-95	Calls to/from Karl Rinker, Letter to FCC, Meet with Jim Ross	2.00
	Total Hours	19.00
	25% of hours billed to WRMC (billed Separately)	4.75
	75% of hours billed to Jim Ross (Middlebury College)	14.25
	Total hours @ $50 per hour	14.25
	Total Labor	$712.50
	Grand Total (this amount due)	$712.50

Jim Ross
12-19-95

Balance Due Upon Receipt of Invoice

99-345-03

sincerely yours,

Robert Cham

President

cc: Tiffany Sargent

Jason Mantzoukas

RPCommunications

Robert Cham, President

9D Main Street Bristol, Vermont 05443 802-453-4369

Balance Due Upon Receipt of Invoice

January 23, 1996

Jason Mantzoukas
General Manager
WRMC
Drawer 29
Middlebury College
Middlebury, VT 05753

Dear Jason:

Here is my bill for services rendered to you in January 1996. I am submitting my bill for the January retainer in advance of the work to be performed later this week due to the fact that I am leaving Vermont in early February. As we discussed on the telephone, I have asked Gary Savoie to take over my work for your station, with the exception of the potential Snake Mountain site as that project is one of Gary's. That work would be billed to Jim Ross.

You would be very wise to secure Mr. Savoie's services on a permanent basis, as he is both familiar with your station, and a highly skilled communications engineer with considerable experience in college radio. You may reach Mr. Savoie at 603-542-6784.

Retainer for January	$300.00
Grand Total (this amount due)	$300.00

Balance Due Upon Receipt of Invoice

sincerely yours,

Robert Cham

R.P. Cham

President

cc: Tiffany Sargent
Jim Ross

MEMORANDUM

DATE: February 6, 1996

TO: Jim Ross and David Ginevan

FROM: Howard Young, WRMC

RE: Meeting of January 25th

CC: Tiffany Sargent

Gentlemen,

After my meeting with Jim, Tiffany, Bob Cham, Gary Savoie, and Jason Mantzoukas, I've had some thoughts that I shared with Tiffany, and I would like to share with you. I'm working from the assumption that the allocation/interference studies of the Snake Mountain site conclude that Snake is indeed a viable site for the college to pursue; as of today the final word from Gary has not come, but he was fairly sure that the project would work.

While I continue to agree that the college should pursue both the Chipman and Snake sites, it seems that the Snake site should be a winning situation for all involved parties. With WRMC off the Chipman tower, the other interests in that project would have an easier, and less expensive, task ahead of them from both an engineering and business perspective. Similarly, the college would have a less expensive and easier job in the Snake mountain tower. Finally, WRMC would have better coverage of Addison county on the Snake tower than on the Chipman tower; this improved coverage would serve to increase the possibility of underwriting at WRMC and lessen the station's financial burden on the college.

On another note, there have been some rumblings about the relationship between Gary Savoie and Bob Cham; some people have privately expressed concern that there could be at least the appearance of a conflict of interest if Bob were to handle the college's application for a construction permit on Snake Mountain. While I have complete faith in Bob's intention to represent the college's interests, I agree that on the surface this may not appear to be the case. In anticipation of these concerns, I have contacted another engineer to see if he would be available to fill out our application. Ed Perry, an engineer who did some consulting work for Jim in 1989, has said he would most likely be able and willing to help us on this project; Ed is an accomplished and knowledgeable engineer who has owned WATD in Duxbury, MA since 1978. Another engineer who may be able to fill out our application is Bob Smith of R.M.Smith and Associates. While Bob is certainly one of the better known and accomplished engineers in New England, his popularity keeps him busy; this could translate into a less timely completion of his work. There are certainly more engineers in New England who are capable of doing this application. My suggestion is that a discussion of the pros and cons of having Bob Cham do the work be undertaken before considering others.

I would like to thank you both for your continued persistence in this matter. After being with the station for only a few years, I have become extremely frustrated at times with the speed at which we must move. However, the closer this project comes to completion, the more I anticipate what it will mean to the station. With a new tower and transmitter, the

college should have a station that will be able to add to the life of the college, entertain and educate all of Addison county, and become partially self-supporting.

Sincerely,

Howie

Jim -
FYI. tms
cc: Dave Ginevan
Don Wyatt

Memorandum

DATE: February 19, 1996

TO: Tiffany Sargent, Director Student Activities ✓

FROM: Howie Young, WRMC

RE: Our meeting of February 14, 1996

CC: Scott Paul, SGA Treasurer

Tiffany,

I am writing to explain why the WRMC Board of Directors has come to believe that our engineer needs to be paid for from college, and not student activity, funds. Obviously, the need for an engineer must be established first. The President and Fellows of Middlebury College has held a radio station license for almost fifty years now. One of the responsibilities of holding this license is to follow F.C.C. rules and regulations. Throughout the history of the Middlebury College Radio Service, knowledge and enforcement of these rules and regulations has varied. For the most part a professional broadcast engineer has been employed to give some consistency to the station's policies in these matters; unfortunately, since 1990, no one has been available to the station management to serve this role. With a high turnover rate for station management, there has been a series of uniformed students running the station in the past few years; unknowing violations in my time of three years with the station has put the President and Fellows in the position of facing fines well over $100,000.

While the college does not employ anyone who has the time or knowledge to keep abreast of all F.C.C. rule changes, neither does the college employ anyone with the expertise to maintain much of the over $140,000 in equipment at WRMC. The WRMC student engineers have done much to keep our equipment running; however, there are many machines that are too complicated for a student to be expected to maintain, or even understand. For example, the transmitter in Gifford burned out in the fall of 1993, giving WRMC an output of 3 watts. The F.C.C. gives daily fines to stations that operate below licensed power, which we were by 97 watts. No one at the college or student activities office knew of this situation until Bob Cham showed up in the summer of 1995.

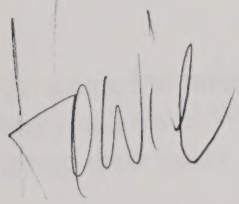
With the hiring of Bob Cham of RP Communications, WRMC saw improvements in all aspects of station operations. Bob quickly brought the station to within F.C.C. rules and regulations, some of which we were not even aware. WRMC also received coaching on proper radio presentation and programming techniques, as well as ideas on how to raise money. Additionally, Bob has fixed equipment that we thought needed replacement and suggested cost-effective items to replace equipment that was beyond repair. For example, Bob suggested a Beyer ribbon microphone to replace a $650 microphone that was beyond repair; the Beyer mic cost $285 and sounds better.

Through all the changes at WRMC in the past eight months and the departure of Bob Cham for Pacifica Radio in Houston, the Finance Committee has re-thought their relationship with WRMC and specifically our engineer. As you and I discussed with Scott Paul in our meeting, they have come to conclusion that the Finance Committee is not responsible for

funding the WRMC engineer. The reasoning being that the majority of the engineer's role is to maintain and keep safe college facilities, as well as keep the licensee of WRMC (the President and Fellows) within F.C.C. rules and regulations. The engineer's secondary role is that of coach for the students, not unlike that of the rugby and crew teams; Finance Committee has clearly stated that they will not pay for coaches (Finance Committee Guidelines, page 4, part H.)

WRMC is now at a crossroads of major importance. As we sit on the verge of going to 1000 watts, there are numerous opportunities for fund raising and a valuable opportunity for the college to entertain and inform all of Addison county through WRMC. Even a month without an engineer could push plans back by many months and make keeping up with the Communications Act of 1996 difficult (the bill was passed at the beginning of this month and could mean major changes for WRMC.) I appreciate your assistance in WRMC's search for funding for this position. I hope we can meet with Don Wyatt and/or David Ginevan to speak about this issue soon.

Sincerely,



Student Activities

McCullough Student Center...Middlebury College...Middlebury, VT 05753-6161...(802)388-3711 x3103
FAX(802)388-3711 x4910...E MAIL: tsargent@middlebury.edu

To: Jim Ross ✓
David Ginevan

cc: Don Wyatt

From: Tiffany Nourse Sargent

Date: 11 March 1996

Re: **WRMC and WFAD**

Just wanted to raise the issue again to learn where we are at re. the $6,000+ that Mark Brady had owed WRMC and whether or not our radio station can do anything further to recoup their losses.

This is tangentially related to an issue around WFAD's coverage of our College sports events. More specifically, our students experienced the loss of over $6,000 from an unpaid settlement while WFAD continues to make money off their coverage of our events. For example, I understand that WFAD will earn approximately $2,000-$3,000 from advertising aired during their coverage of our hockey games this upcoming weekend. It does not seem fair to our student leadership that the College continues to allow WFAD to make money off coverage of our events, especially now that they are faithfully covering such events and can reach almost all of Addison County as well (sometimes even parts of Chittenden and Rutland counties, too).

Part of the complexity of this issue is that WRMC is seeking permission to underwrite their sports coverage of our athletic events in order to better fund some of their initiatives. Howie Young and I have a meeting with Phil Yauch this Wednesday. To this end, WRMC would like to be the primary carrier of Middlebury College athletic events. (This does not mean that WFAD or other radio stations could not also cover the same events but that we seek to include our in-house options first.)

We discussed the issue of the money WFAD owed WRMC last September. It would be helpful if I could hear feedback regarding the follow up so that I can best know how to advise our student leadership.

Please let me know if you have any concerns about any of this.

Thank you.

Jim, I know you feel that Brady was absolved of the debt given other agreements that never materialized. However, at our meeting last Sept., you + Dave agreed to pursue this further. What can we do for our students? Jiffany

TOWN OF MIDDLEBURY

94 Main Street, Middlebury, Vermont 05753

October 24, 1996

James D. Ross
RD 2 Cider Mill Road
Middlebury, VT 05753

RE: FCC Modification of Construction Permit for WRMC-FM
Authorization File No. BPED-901119MB, dated March 25, 1992

Dear Jim:

You have asked me to write a letter explaining the reasons for the delay in erecting the new Chipman Hill Radio Tower. I understand you would like this letter for the purposes of your request for extension or renewal of the Middlebury College Radio Station antennae construction permit referenced above.

The Town has been aware since 1990 that Middlebury College would like to relocate its transmitting antennae from Middlebury College to Chipman Hill. The Town has no objection to this, in fact we feel it would provide better coverage for the Middlebury community, as well as the College. The Town has included the College in its plans for improved radio and telecommunications facilities on Chipman Hill ever since your first request, and we will continue to support your application.

Unfortunately, the Town of Middlebury does not control the existing radio tower. This is under the ownership and control of Anthony Neri, doing business as Dynamite Radio, under a license agreement with the Town which owns the land as part of the Battell Trust. Since 1990 we have been working on a new, combined communications facility that would replace the existing Dynamite Radio tower and provide capacity for both the present Dynamite Radio use, as well as Middlebury College, and a number of other cellular telephone and two-way radio users. The funding for this would come primarily from the cellular companies and Middlebury College, under sublicense agreements with Dynamite Radio.

We have come through a lengthy process and we believe and hope that the tower can be erected within the next few months. The reason it has taken so long is that the Town has had to go through a court proceeding to declare the placement of the tower and additional necessary site modifications as an allowable alteration of the Will of Joseph Battell. In addition, the Town has come through successful Zoning Board and Board of Selectmen approval proceedings, as well as several administrative reviews as the plans have evolved and changed, through Vermont's Act 250 development control law. The approval from the Addison Superior Court was finally received in May of this

MUNICIPAL BUILDING *388-4041
PUBLIC WORKS 388-4045
POLICE DEPARTMENT *388-3191
FAX NUMBER 388-4364
*TDD available

year. Since then the attorneys representing the principal parties have been working on various contractual and financing issues, agreements and assurances, which they feel are necessary to proceed.

The Town has no desire to delay this project and we are upset that it has taken so long to complete this, since improved radio coverage and communication facilities are desirable for our community. I can certainly assure whomever is reviewing your application for extension or renewal of your FCC approval, that this is in the community interest and the delay has been no fault of Middlebury College. I would be happy to answer any further questions that you or others may have in regards to this matter.

I hope this gives you what you need in order to secure renewal or extension of the Middlebury College FCC approval.

Sincerely,

Fred S. Dunnington
Town Planner

FSD:ejd

cc: Betty Wheeler, Town Manager

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
MODIFICATION OF CONSTRUCTION PERMIT
FM STATION
(Class Station)

File No. BMPED-960207JC
Call Sign WRMC-FM
Modification No.

PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE
MIDDLEBURY COLLEGE
MIDDLEBURY VT 05753

Permittee: PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE

Station location: MIDDLEBURY, VT

Associated Broadcast station:

The Authority Contained in Authorization File No. BPED-901119MB

dated MARCH 25, 1992 granted to the Permittee listed above is hereby modified in part as follows:

DATE OF REQUIRED COMPLETION OF CONSTRUCTION: NOV 0 7 1996

The modification of construction permit shall be attached to and be made a part of the construction permit of this station.

Except as herein expressly modified, the above-mentioned construction permit, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated: MAY 0 7 1996

FEDERAL
COMMUNICATIONS
COMMISSION

F.C.C. WASHINGTON, D.C.

FCC Form 381
October 1978

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0407
Expires 03/31/97

FOR FCC USE ONLY

FCC 307

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS BEFORE FILLING OUT THIS FORM)

FOR COMMISSION USE ONLY

FILE NO.

1. APPLICANT NAME (Last, First, Middle Initial)
The President and Fellows of Middlebury College

MAILING ADDRESS (Line 1) (Maximum 35 characters)
Middlebury College

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY	STATE OR COUNTRY (if foreign address)	ZIP CODE
Middlebury	VT	05753

TELEPHONE NUMBER (include area code)	CALL LETTERS OR OTHER FCC IDENTIFIER (IF APPLICABLE)
(802) 462-2872 (Jim Ross)	WRMC

2. A. Is a fee submitted with this application? ☐ Yes ☒ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1112).

☐ Governmental Entity ☒ Noncommercial educational licensee/permittee ☐ Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
	0001	$	

3. PURPOSE OF APPLICATION: ☒ a. Additional time to construct broadcast station ☐ b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT

Legal name of Applicant
The President and Fellows of Middlebury College

File Number	Call Letters		
BPED-940422JG	WRMC	☒ Main Transmitter	☐ Auxiliary Transmitter

Frequency	Channel No.	City	State
91.1	216	Middlebury	VT

5. Submit as an Exhibit a list of the file numbers of pending applications concerning the station, e.g., major or minor modifications, assignments, etc.

Exhibit No. N/A

6. EXTENT OF CONSTRUCTION

a. Has equipment been delivered? ☐ Yes ☒ No

If No, submit as an Exhibit a description of what equipment has been ordered, from whom and when it was ordered, and the promised delivery date (if any). If no order has been placed, so indicate and explain. Exhibit No. 1

b. Has installation commenced? ☐ Yes ☒ No

If Yes, submit as an Exhibit a description of the extent of installation, the date on which installation comenced, and the estimated date by which construction can be completed. Exhibit No. N/A

7.(a) If application is for extension of construction permit, submit as an Exhibit any additional construction progress not specified above and reason(s) why construction has not been completed. Exhibit No. 2

(b) If application is to replace an expired construction permit, submit as an Exhibit the reason for not submitting a timely extension application, together with any additional construction progress not specified above and the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s). Exhibit No. N/A

8. Are the representations, including environmental, contained in the application for construction permit still true and correct? ☒ Yes ☐ No

If No, give particulars in an Exhibit. Exhibit No. N/A

9. Since the filing of the applicant's last application, has an adverse finding been made or final action been taken by any court or administrative body with respect to the applicant or parties to the applicant in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination? ☐ Yes ☒ No

If the answer is Yes, submit as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of the filing; and (ii) the disposition of the previously reported matter. Exhibit No. N/A

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503))

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☒ Yes ☐ No

2. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name	Signature James D. Ross
The President and Fellows of Middlebury College	
Title	Date James D. Ross 10-31-96
Consultant	

EHIBIT #1

No order has been placed. No equipment replacement is anticipated for this modification of construction permit.

EXHIBIT #2

TOWN OF MIDDLEBURY

94 Main Street, Middlebury, Vermont 05753

October 24, 1996

James D. Ross
RD 2 Cider Mill Road
Middlebury, VT 05753

RE: FCC Modification of Construction Permit for WRMC-FM
Authorization File No. BPED-901119MB, dated March 25, 1992

Dear Jim:

You have asked me to write a letter explaining the reasons for the delay in erecting the new Chipman Hill Radio Tower. I understand you would like this letter for the purposes of your request for extension or renewal of the Middlebury College Radio Station antennae construction permit referenced above.

The Town has been aware since 1990 that Middlebury College would like to relocate its transmitting antennae from Middlebury College to Chipman Hill. The Town has no objection to this, in fact we feel it would provide better coverage for the Middlebury community, as well as the College. The Town has included the College in its plans for improved radio and telecommunications facilities on Chipman Hill ever since your first request, and we will continue to support your application.

Unfortunately, the Town of Middlebury does not control the existing radio tower. This is under the ownership and control of Anthony Neri, doing business as Dynamite Radio, under a license agreement with the Town which owns the land as part of the Battell Trust. Since 1990 we have been working on a new, combined communications facility that would replace the existing Dynamite Radio tower and provide capacity for both the present Dynamite Radio use, as well as Middlebury College, and a number of other cellular telephone and two-way radio users. The funding for this would come primarily from the cellular companies and Middlebury College, under sublicense agreements with Dynamite Radio.

We have come through a lengthy process and we believe and hope that the tower can be erected within the next few months. The reason it has taken so long is that the Town has had to go through a court proceeding to declare the placement of the tower and additional necessary site modifications as an allowable alteration of the Will of Joseph Battell. In addition, the Town has come through successful Zoning Board and Board of Selectmen approval proceedings, as well as several administrative reviews as the plans have evolved and changed, through Vermont's Act 250 development control law. The approval from the Addison Superior Court was finally received in May of this

MUNICIPAL BUILDING *388-4041
PUBLIC WORKS 388-4045
POLICE DEPARTMENT *388-3191
FAX NUMBER 388-4364
*TDD available

year. Since then the attorneys representing the principal parties have been working on various contractual and financing issues, agreements and assurances, which they feel are necessary to proceed.

The Town has no desire to delay this project and we are upset that it has taken so long to complete this, since improved radio coverage and communication facilities are desirable for our community. I can certainly assure whomever is reviewing your application for extension or renewal of your FCC approval, that this is in the community interest and the delay has been no fault of Middlebury College. I would be happy to answer any further questions that you or others may have in regards to this matter.

I hope this gives you what you need in order to secure renewal or extension of the Middlebury College FCC approval.

Sincerely,

Fred S. Dunnington
Town Planner

FSD:ejd

cc: Betty Wheeler, Town Manager

Exhibit #1
Filed in support of Form 307
for Extension of Construction Permit
File Number BPED-940422JG

As we stated in our letter of November 29, 1995 to Mr. Larry Eads (exhibit #2), "However we have run out of construction season here in Vermont. New footings for the tower will not be able to be poured until at least early April. Thus we cannot conceivably finish the project by February 28, 1996."

Nothing has changed in this regard. Although the new tower has been purchased, the new footings cannot be poured until the weather is reliably above freezing and mud season has ended, allowing heavy machinery to be moved up the hill. Thus we respectfully request a six month extension of our construction permit.

Federal Communications Commission
Washington, D.C. 20554

FCC 307

Approved by OMB
3060-0407
Expires 3/31/91

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS ON BACK BEFORE COMPLETING)

For Commission Use Only

File No.

1. Legal Name of Applicant *(See Instruction C)*

President & Fellows of Middlebury College

2. Mailing Address *(Number, street, city, state, ZIP code)*

Middlebury College
Middlebury, Vermont 05753
Attn: James Ross

Telephone No. *(Include Area Code)*

802 462-2872 (James Ross)

3. PURPOSE OF APPLICATION:

[X] a. Additional time to construct broadcast station

[ ] b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT:

File Number	Call Letters
BPED-940422JG	WRMC
Frequency	**Channel No.**
91.1 MHz	216

Station Location

Middlebury, VT

5. OTHER:

Submit as Exhibit No. N/A a list of the file numbers of pending applications concerning this station, e.g., major or minor modifications, assignments, etc.

6. EXTENT OF CONSTRUCTION:

(a) Has equipment been delivered? [ ] YES [XX] NO

If NO, answer the following:

From Whom Ordered *(If no order has been placed, so indicate)*

Not ordered. 2 week turnaround time promised

Date Ordered: N/A

Date Delivery Promised: 14 days ARO on antenna

(b) Has installation commenced? [ ] YES [XX] NO

If YES, submit as Exhibit No. _____ a description of the extent of installation and the date installation commenced.

(c) Estimated date by which construction can be completed.

7. (a) If application is for extension of construction permit, submit as Exhibit No. _____ reason(s) why construction has not been completed.

(b) If application is to replace an expired construction permit, submit as Exhibit No. _____ the reason for not submitting a timely extension application, together with the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s).

8. Are the representations contained in the application for construction permit still true and correct? [X] YES [ ] NO

If NO, give particulars in Exhibit No. _____.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Legal Name of Applicant	Signature
President & Fellows of Middlebury College	James D. Ross
Title	**Date**
Consultant	1996

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT, U.S. CODE, TITLE 18, SECTION 1001.

Student Activities

McCullough Student Center...Middlebury College...Middlebury, VT 05753-6161...(802)388-3711 x3103
FAX(802)388-3711 x4910...E MAIL: tsargent@middlebury.edu

To: Dave Ginevan

cc: Jim Ross ✓
Don Wyatt

From: Tiffany Sargent

Date: 11 March 1996

Re: **Engineer for WRMC**

On Thursday, March 7 Howie Young and I met with Don Wyatt to discuss the need for an engineer for WRMC. Don felt that it was a business decision and should therefore be pursued further with you. We are wondering if the College is willing to cover the costs incurred by hiring an engineer to help maintain WRMC equipment and ensure that the station complies with FCC regulations. It is estimated that these costs would run approximately $4,500-$5,000 for a twelve month period.

The President and Fellows of Middlebury College hold the license for WRMC. It is my understanding through the research that Howie Young has done that WRMC has for years and years had a contracted engineer to help maintain the radio station and ensure compliance with FCC regulations.

During the time of the transition between Jackie Flickinger to Cathy Walsh, the engineer at that time, Larry Maier, became less and less available and finally retired. There followed a period when no new engineer was contracted.

Last summer, out of dire necessity because the station was in flagrant violation of FCC regulations, we hired a new engineer. I can't recall exactly how this evolved, but we somehow gained the help of Art Thorne in that process. This was particularly beneficial given our lack of experience and knowledge regarding contracting out and hiring someone with this type of expertise. We also could not reach the Chair of Finance Committee at the time so made the executive decision to take money out of the depreciation account to cover the costs incurred. At the time, we discovered that the College was at risk of potentially hundreds of thousands of dollars in fines.

Student Activities

Academic Service Center, Hardwick College, Hardwick VT 05843-0101 (802) 472-7103
FAX 802/472-7103 attn: WMUR, Jason Hardwick

To: Dave Chaney

Cc: Jim Moore
Tom Wyatt

From: Tiffany Stewart

Date: 11 March 1996

Re: Equipment for WRMC

On Thursday, March 7, Jason Young and I met with Don Wynn at his office the most up to date equipment for WRMC. Don felt that it was a business decision and should be discussed in greater detail further with you. We are wondering if the College is willing to move the station ownership by listing us as owner in order to help maintain WRMC equipment and ensure that the station complies with FCC regulations. It is estimated that there were a total cost of approximately $2,300.00 for a twelve month period.

The President and Fellows of Middlebury College hold the license for WRMC. It is my understanding that Jason Young has since left Hardwick College. WRMC has for years and years had a concerned organization to help maintain the radio station and ensure compliance with FCC regulations.

During the time of the operation, WRMC [illegible] Hardwick College. We, and I am sure at this point, Jason Young, Jason Moore and Jim Moore, [illegible] a period when no new equipment was purchased.

Last summer, out of the necessary licensing the station was in violation of FCC regulations, we found a new engineer. I can't recall exactly how he received his [illegible] [illegible] the help of Jim Moore at that process. He was [illegible] given the task of expense and knowledge [illegible] with the type of expense. We also [illegible] the College [illegible] over the costs incurred. At the time, we discovered that the College was at risk of potentially hundreds of thousands of dollars in fines.

WRMC is now in compliance with FCC regulations and functioning much better as a station. A number, though not all, of the concerns have been addressed. Unfortunately, however, we just lost the engineer we had hired as he took a job in Houston, TX (this was Bob Cham). We need to hire a new engineer as there are ongoing repairs that are required and this year many of the FCC regulations are changing so we must have access to someone "in the know." (No one in Student Activities, nor on staff elsewhere in the College, I believe, has the kind of expertise that is required keep abreast of all the FCC changes and technical needs.)

The request is not excessive. We need someone to come to the station one day per month to perform routine maintenance, review logs, and so on. Given that we are still in the process of "cleaning house," we continue to project one year further of higher than normal need (i.e., labor above the contracted eight hours/month). Our previous contract/retainer cost $300/month and there was an additional labor charge of $40/hour for work on top of that eight hours/month. Our guess is that costs may increase slightly when we go out to bid again.

The station manager went before Finance Committee to petition for the funds to cover the cost of an engineer. The Finance Committee deemed that such an appointment was on par with the hiring of a staff person or coach and therefore refused to fund the expenditure. (This is not within their guidelines.) As noted above, since the President and Fellows of Middlebury College hold the license, the College is liable for potentially significant fines if we do not maintain the station properly.

With Finance Committee's refusal, we sought out counsel from Don Wyatt. Given the business nature of this decision, we are now seeking your advice. Is the College willing to cover the costs incurred by hiring an engineer for WRMC? Or, can you think of any alternatives that might be available to us?

The year 1999 will bring WRMC's fiftieth anniversary! Since I have been serving as the Director of Student Activities I have observed first-hand the commitment and dedication of the student leadership within the radio station. It sounds like now, more than ever before, we have an opportunity to have a first-rate radio station that may even be able to help cover the costs incurred for this engineer expense or for other station initiatives if underwriting is allowed. (Howie Young and I are meeting with Phil Yauch this Wednesday as mentioned before.)

I hope we can find a solution that will help WRMC continue its tradition in a manner that protects the President and Fellows of Middlebury College while also providing a unique learning experience for the approximately 150-225 student volunteers who staff the station annually.

Thank you for taking the time to read through all this and for your guidance in helping us seek a solution. Please let me know if you need any further information.

MIDDLEBURY COLLEGE

Office of the Treasurer

TO:	**Howie Young**	**Tiffany Sargent**	**Jim Ross**
	Scott Paul	**Don Wyatt**	
FROM:	**David W. Ginevan**		
DATE:	**March 26, 1996**		
SUBJECT:	**WRMC**		

I'm writing this note, having had the opportunity of reading Howie's memo to Tiffany Sargent, copied to Scott Paul, concerning the engineer for WRMC. I think I understand the gist of it and I agree that the continuation of competent engineering service is something the station needs. I think the analogy of how the engineer might compare with coaches the College might employ for some sports teams breaks down. This is really a matter for WRMC and the SGA Finance Committee. Maybe I do not fully understand.

d:\WRMC.DOC

Dave — FYI. tws

cc: Jim Ross
Don Wyatt

Memorandum

DATE: February 19, 1996

TO: Tiffany Sargent, Director Student Activities ✓

FROM: Howie Young, WRMC

RE: Our meeting of February 14, 1996

CC: Scott Paul, SGA Treasurer

Tiffany,

I am writing to explain why the WRMC Board of Directors has come to believe that our engineer needs to be paid for from college, and not student activity, funds. Obviously, the need for an engineer must be established first. The President and Fellows of Middlebury College has held a radio station license for almost fifty years now. One of the responsibilities of holding this license is to follow F.C.C. rules and regulations. Throughout the history of the Middlebury College Radio Service, knowledge and enforcement of these rules and regulations has varied. For the most part a professional broadcast engineer has been employed to give some consistency to the station's policies in these matters; unfortunately, since 1990, no one has been available to the station management to serve this role. With a high turnover rate for station management, there has been a series of uniformed students running the station in the past few years; unknowing violations in my time of three years with the station has put the President and Fellows in the position of facing fines well over $100,000.

While the college does not employ anyone who has the time or knowledge to keep abreast of all F.C.C. rule changes, neither does the college employ anyone with the expertise to maintain much of the over $140,000 in equipment at WRMC. The WRMC student engineers have done much to keep our equipment running; however, there are many machines that are too complicated for a student to be expected to maintain, or even understand. For example, the transmitter in Gifford burned out in the fall of 1993, giving WRMC an output of 3 watts. The F.C.C. gives daily fines to stations that operate below licensed power, which we were by 97 watts. No one at the college or student activities office knew of this situation until Bob Cham showed up in the summer of 1995.

With the hiring of Bob Cham of RP Communications, WRMC saw improvements in all aspects of station operations. Bob quickly brought the station to within F.C.C. rules and regulations, some of which we were not even aware. WRMC also received coaching on proper radio presentation and programming techniques, as well as ideas on how to raise money. Additionally, Bob has fixed equipment that we thought needed replacement and suggested cost-effective items to replace equipment that was beyond repair. For example, Bob suggested a Beyer ribbon microphone to replace a $650 microphone that was beyond repair; the Beyer mic cost $285 and sounds better.

Through all the changes at WRMC in the past eight months and the departure of Bob Cham for Pacifica Radio in Houston, the Finance Committee has re-thought their relationship with WRMC and specifically our engineer. As you and I discussed with Scott Paul in our meeting, they have come to conclusion that the Finance Committee is not responsible for

funding the WRMC engineer. The reasoning being that the majority of the engineer's role is to maintain and keep safe college facilities, as well as keep the licensee of WRMC (the President and Fellows) within F.C.C. rules and regulations. The engineer's secondary role is that of coach for the students, not unlike that of the rugby and crew teams; Finance Committee has clearly stated that they will not pay for coaches (Finance Committee Guidelines, page 4, part H.)

WRMC is now at a crossroads of major importance. As we sit on the verge of going to 1000 watts, there are numerous opportunities for fund raising and a valuable opportunity for the college to entertain and inform all of Addison county through WRMC. Even a month without an engineer could push plans back by many months and make keeping up with the Communications Act of 1996 difficult (the bill was passed at the beginning of this month and could mean major changes for WRMC.) I appreciate your assistance in WRMC's search for funding for this position. I hope we can meet with Don Wyatt and/or David Ginevan to speak about this issue soon.

Sincerely,

Memorandum - URGENT

DATE: August 26, 1996

TO: Jim Ross, Business Manager, WRMC

FROM: Howie Young, General Manager, WRMC

RE: Chipman Hill and K101

CC: Tiffany Sargent, Student Activities, Director

Jim,

On Friday night I found out that K101 is about to be, or already has been, sold. I am unaware of any arrangements you have made to assure that this change in ownership does not affect our plans for the Chipman Hill tower. I would be most grateful if you could forward me any details you may have on this situation.

Additionally, I have yet to receive the original of our latest construction permit for the WRMC public file. We also need to think about requesting another extension for our permit as the date of expiration is approaching. I am not sure that we will be able to get another extension, but we need to at least try. If this attempt does not succeed, then we need to decide what to do in order to not loose what little space that we have on the FM band. Gary Savoie will be here on Tuesday or Wednesday. I will discuss the issue with him and let you know what he thinks.

Sincerely

Howie

Howie Young

MIDDLEBURY COLLEGE

Office of the Treasurer

TO:	**Howie Young, WRMC**
FROM:	**Jim Ross**
DATE:	**October 10, 1996**
SUBJECT:	**Tower Location**
CC:	**David W. Ginevan**
	Tiffany Sargent

Yesterday I met with Dave Ginevan on the above. I had given him a copy of your memo of October 1, 1996.

He is not at all interested in a tower, as you described at Proctor. When you talk about an "antenna array" in your memo, do you mean something as shown for Chipman Hill? Can we think of any other location?

I have looked through the Zoning Regulations and cannot find anything about 35 feet. It may be there, but I couldn't find it. As I said at our last meeting, there is reference to structure heights not exceeding 35 feet, but nothing about antenna above structures.

Dave agrees that we should not talk to Fred Dunnington yet. Let's keep our discussions amongst ourselves for now.

We should, however, proceed to file the FCC 307 form requesting another extension of our broadcast construction permit, which expires November 6, 1996. I'm still waiting for a letter from Fred Dunnington explaining the situation as it now stands and I would expect this letter to be useful to file with our form FCC 307.

Would you please ask Gary to call me (802-462-2872) so we can discuss this.

Thanks.

Jim

Jim Ross

d:\memos\Document3

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
MODIFICATION OF CONSTRUCTION PERMIT
FM STATION
(Class Station)

File No. BMPED-960207JC
Call Sign WRMC-FM
Modification No.

PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE
MIDDLEBURY COLLEGE
MIDDLEBURY VT 05753

Permittee: PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE

Station location: MIDDLEBURY, VT

Associated Broadcast station:

The Authority Contained in Authorization File No. BPED-901119MB

dated MARCH 25, 1992 granted to the Permittee listed above is hereby modified in part as follows:

DATE OF REQUIRED COMPLETION OF CONSTRUCTION: NOV 0 7 1996

The modification of construction permit shall be attached to and be made a part of the construction permit of this station.

Except as herein expressly modified, the above-mentioned construction permit, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated: MAY 0 7 1996

FEDERAL
COMMUNICATIONS
COMMISSION

FCC Form 361
October 1978

F.C.C. WASHINGTON, D.C.

Memorandum

DATE: October 1, 1996

TO: Jim Ross

FROM: Howie Young, WRMC

RE: Tower Location

CC: Tiffany Sargent

Jim,

As we both know too well, the WRMC staff has a problem with continuity because of high turnover. I wanted to create a written record of our meeting this morning mostly for our records, but also for yours. Additionally, I did not feel that I was as clear, or complete, as I should have been this morning about my reasons for wanting to move the WRMC transmitter and tower to Proctor hall.

First, it should be clear that I'm working from a worst case scenario that the completion of the Chipman Hill tower will not be completed for a number of years, if at all. If this project does suddenly come to a conclusion sometime between now and November, then what I have to say is irrelevant.

Below are a list of questions and answers that Gary and I came up with when coming to the conclusion that placing our antenna array behind Proctor was the best solution to our current situation.

Why consider a site other than Chipman Hill? The cost of placing two FM antennas on Chipman Hill could easily exceed $50,000 for each station (not including transmitter, etc.) WRMC could expect to pay $70,000 to $85,000 for a complete set up on Chipman Hill. + $100,000 WRMC's signal coverage would be no better on Chipman Hill than on most any other hill in the Middlebury area. Although progress on the Chipman project has seemingly picked up in the last 12 to 18 months, there are many things that need to happen between now and completion. New problems continue to arise.

What other sites are available? Snake mountain will not be able to hold a telecommunications tower because of Act 250 considerations. A tower in the wooded area near the golf course would need lights and a considerable zoning variance; it would be neither time saving or very likely. A Snow Bowl tower would make us interfere with other radio stations, never pass Act 250, and prevent us from covering much of Middlebury. Placing an antenna array on top of most any college buildings would bring up countless structural difficulties and probably not give very good coverage of Addison county. Placing the tower adjacent to a college building, near the highest part of Campus (Hillcrest Rd.) could give good signal coverage and be relatively inexpensive.

Why place the tower adjacent to Proctor Hall? A tower at 35 to 50 feet above the tallest part of Proctor would give similar signal coverage to a Chipman Hill tower. An antenna array that extended above Proctor would cost approximately $50,000 less than placing the same set up on Chipman Hill. The back side of Proctor is possibly the least visible place to set a tower and antenna on campus. A tower attached to Proctor would not need lights or guy

wires; thus, keeping costs and visibility down. If an addition is made to the current Proctor, movement of the structure should cost no more than five to seven thousand dollars and not need F.C.C. approval. The tower footing would take up no more than one square yard and would easily fit between the side of the building and the dining services dumpster. A zoning variation, if necessary, should be a fair trade for our removing WRMC's burden from the Chipman project.

I hope that this has made my reasons more clear to you and will assist you in discussion with David Ginevan and Fred Dunnington; I've included a copy for David Ginevan, if you feel this summary could be helpful to him. If you have any questions please call me at WRMC (443-6324) or at home (388-6728.)

Sincerely

Howie

Howie Young
General Manager, WRMC

MEMORANDUM

September 10, 1996

TO: Howie Young, General Manager, WRMC

cc: David W. Ginevan
Tiffany Sargent

FROM: James D. Ross, Consultant

SUBJECT: Construction Permit - WRMC

I called Karen Mercer of the FCC and she sent me a copy of our modified construction permit. Copy enclosed for your file. As you can see it terminates November 7, 1996, so we need to request another extension. Can your new engineer, Gary Savoie, help or should we go back to Ed Perry?

I've talked with Anthony Neri (the younger) and he advises that his station and Mark Brady's are under contract to sell but they are awaiting FCC approval. He says his sale shouldn't hurt us if and when a new tower is built.

I've talked with Fred Dunnington and he says we're still on the tower. The Town will control the tower but has no money to put up. Also, the two cellular companies (Bell Atlantic/NYNEX Mobil and Atlantic Cellular) are arguing over location on the tower.

At this time we are next to the top of the tower with Dynamite Radio.

Is Snake Mountain still a possibility?

Jim Ross

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
MODIFICATION OF CONSTRUCTION PERMIT
FM STATION
(Class Station)

File No. BMPED-960207JC
Call Sign WRMC-FM
Modification No.

PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE
MIDDLEBURY COLLEGE
MIDDLEBURY VT 05753

Permittee: PRESIDENT & FELLOWS OF MIDDLEBURY COLLEGE

Station location: MIDDLEBURY, VT

Associated Broadcast station:

The Authority Contained in Authorization File No. BPED-901119MB

dated MARCH 25, 1992 granted to the Permittee listed above is hereby modified in part as follows:

DATE OF REQUIRED COMPLETION OF CONSTRUCTION: NOV 0 7 1996

The modification of construction permit shall be attached to and be made a part of the construction permit of this station.

Except as herein expressly modified, the above-mentioned construction permit, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated: MAY 0 7 1996

FEDERAL
COMMUNICATIONS
COMMISSION

F.C.C. WASHINGTON, D.C.

FCC Form 361
October 1978

Federal Communications Commission
Washington, D.C. 20554

FCC 307

Approved by OMB
3060-0407
Expires 3/31/91

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS ON BACK BEFORE COMPLETING)

For Commission Use Only
File No.

1. Legal Name of Applicant *(See Instruction C)*
President & Fellows of Middlebury College

2. Mailing Address *(Number, street, city, state, ZIP code)*
Middlebury College
Middlebury, Vermont 05753
Attn: James Ross

Telephone No. *(Include Area Code)*
802 462-2872 (James Ross)

3. PURPOSE OF APPLICATION:
[X] a. Additional time to construct broadcast station
[ ] b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT:

File Number	Call Letters
BPED-940422JG	WRMC
Frequency	**Channel No.**
91.1 MHz	216

Station Location
Middlebury, VT

5. OTHER:
Submit as Exhibit No. N/A a list of the file numbers of pending applications concerning this station, e.g., major or minor modifications, assignments, etc.

6. EXTENT OF CONSTRUCTION:

(a) Has equipment been delivered? [ ] YES [XX] NO
If NO, answer the following:

From Whom Ordered *(If no order has been placed, so indicate)*
Not ordered. 2 week turnaround time promised

Date Ordered: N/A

Date Delivery Promised: 14 days ARO on antenna

(b) Has installation commenced? [ ] YES [XX] NO
If YES, submit as Exhibit No. _____ a description of the extent of installation and the date installation commenced.

(c) Estimated date by which construction can be completed. August 31, 1996

7. (a) If application is for extension of construction permit, submit as Exhibit No. 1 reason(s) why construction has not been completed.

(b) If application is to replace an expired construction permit, submit as Exhibit No. _____ the reason for not submitting a timely extension application, together with the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s).

8. Are the representations contained in the application for construction permit still true and correct? [X] YES [ ] NO
If NO, give particulars in Exhibit No. _____.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Legal Name of Applicant	Signature
President & Fellows of Middlebury College	James D. Ross
Title	**Date**
Consultant	Feb 2, 1996

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT, U.S. CODE, TITLE 18, SECTION 1001.

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0390
Expires 11/30/96

BROADCAST STATION
ANNUAL EMPLOYMENT REPORT 1996

(For FCC Use Only)
Code No.

SECTION I

A. Name of Licensee or Permittee	B. Address
THE PRESIDENT and FELLOWS of MIDDLEBURY COLLEGE	c/o WRMC DRAWER 29, MIDDLEBURY College MIDDLEBURY, VT 05753

SECTION II

A. TYPE OF RESPONDENT (check ONLY one)

COMMERCIAL BROADCAST STATION				NONCOMMERCIAL BROADCAST STATION		HEADQUARTERS
AM ☐	AM	TV ☐	TV	ER ☒	Educational AM or FM Radio	HQ ☐
FM ☐	FM	LP ☐	Low Power TV	ET ☐	Educational TV	
AF ☐	Combined AM & FM in same area (must file a combined report)	IN ☐	International			

B. List call letters and location(s) of included stations. AM station is to be listed first in a combined report. Provide former call letters for each station if changed since last 395-B report.

CURRENT CALL LETTERS	LOCATION(S)	FORMER CALL LETTERS
WRMC	MIDDLEBURY, VT	

SECTION III

A. PAYROLL PERIOD COVERED BY THIS REPORT (DATE) June 30, 1995 → June 30, 1996

B. CHECK APPLICABLE BOX

☒ Fewer than five full-time employees during the selected payroll period (Complete page one only and certification statement and return to FCC)

☐ Five or more full-time employees during selected payroll period (Complete all sections of form and certification statement and return to FCC)

SECTION IV CERTIFICATION

This report must be certified, as follows: (a) By licensee, if an individual; (b) By a partner, if a partnership (general partner, if a limited partnership); (c) By an officer, if a corporation or an association; or (d) By an attorney of the licensee, in case of physical disability or absence from the United States of the licensee.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

I certify to the best of my knowledge, information and belief, all statements contained in this report are true and correct.

Signed James D. Ross Title Consultant-Middlebury College

Print Name JAMES D. ROSS Date 4/30/96 Telephone No. (802) 462-2872

FCC 395-B
March 1996

SECTION V - EMPLOYEE DATA

A. FULL-TIME PAID EMPLOYEE DATA

JOB CATEGORIES	TOTAL (a-j)	MALE					FEMALE				
		WHITE (NOT HISPANIC) (a)	BLACK (NOT HISPANIC) (b)	HISPANIC (c)	ASIAN OR PACIFIC ISLANDER (d)	AMERICAN INDIAN, ALASKAN NATIVE (e)	WHITE (NOT HISPANIC) (f)	BLACK (NOT HISPANIC) (g)	HISPANIC (h)	ASIAN OR PACIFIC ISLANDER (i)	AMERICAN INDIAN, ALASKAN NATIVE (j)
OFFICIALS & MANAGERS											
PROFESSIONALS											
TECHNICIANS											
SALES WORKERS											
OFFICE & CLERICAL											
CRAFT WORKERS (SKILLED)											
OPERATIVES (SEMI-SKILLED)											
LABORERS (UNSKILLED)											
SERVICE WORKERS											
TOTAL											

A. PART-TIME PAID EMPLOYEE DATA

JOB CATEGORIES	TOTAL (a-j)	MALE					FEMALE				
		WHITE (NOT HISPANIC) (a)	BLACK (NOT HISPANIC) (b)	HISPANIC (c)	ASIAN OR PACIFIC ISLANDER (d)	AMERICAN INDIAN, ALASKAN NATIVE (e)	WHITE (NOT HISPANIC) (f)	BLACK (NOT HISPANIC) (g)	HISPANIC (h)	ASIAN OR PACIFIC ISLANDER (i)	AMERICAN INDIAN, ALASKAN NATIVE (j)
OFFICIALS & MANAGERS											
PROFESSIONALS											
TECHNICIANS											
SALES WORKERS											
OFFICE & CLERICAL											
CRAFT WORKERS (SKILLED)											
OPERATIVES (SEMI-SKILLED)											
LABORERS (UNSKILLED)											
SERVICE WORKERS											
TOTAL											

RECEIVED
FEB - 5 1996

Announcing

The New Abode

of

Bob Cham
&
R P Communications

1310 Isabella

Apartment #3

Houston, TX 77004

(713) 522-9890 (home)

(713) 526-4000 (work, KPFT)

effective February 12, 1996

RSVP

To: Jim Ross
Fr: Bob Cham
Re: Form 307
February 1, 1995

Here is a hand filled out form 307 and a blank form to be typed out along with the instructions for the form and the exhibits. Have the form typed out and label the copy of the letter exhibit #2.

The FCC needs the original and one copy of everything, **both with original signatures.** Mail one copy of everything to me at the enclosed address, and put one copy of everthing in the public file at the station.

— give Tiffany one, too!

Call me with any problems. I'll be at (802) 453-4369 until Saturday. Then I'll be at (802) 388-9582 Through Wednesday. I'll be at the number in Houston as of February 10, 1996.

Federal Communications Commission
Washington, D.C. 20554

FCC 307

Approved by OMB
3060-0407
Expires 3/31/91

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS ON BACK BEFORE COMPLETING)

For Commission Use Only
File No.

1. Legal Name of Applicant *(See Instruction C)*
President & Fellows of Middlebury College

2. Mailing Address *(Number, street, city, state, ZIP code)*
Middlebury College
Middlebury, Vermont 05753
Attn: James Ross

Telephone No. *(Include Area Code)*
802 462-2872 (James Ross)

3. PURPOSE OF APPLICATION:
[X] a. Additional time to construct broadcast station
[ ] b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT:

File Number	Call Letters
BPED-940422JG	WRMC
Frequency	Channel No.
91.1 MHz	216

Station Location
Middlebury, VT

5. OTHER:
Submit as Exhibit No. N/A a list of the file numbers of pending applications concerning this station, e.g., major or minor modifications, assignments, etc.

6. EXTENT OF CONSTRUCTION:

(a) Has equipment been delivered? [ ] YES [XX] NO
If NO, answer the following:

From Whom Ordered *(If no order has been placed, so indicate)*
Not ordered. 2 week turnaround time promised

Date Ordered: N/A

Date Delivery Promised: 14 days ARO on antenna

(b) Has installation commenced? [ ] YES [XX] NO
If YES, submit as Exhibit No. _____ a description of the extent of installation and the date installation commenced.

(c) Estimated date by which construction can be completed.
August 31, 1996

7. (a) If application is for extension of construction permit, submit as Exhibit No. 1 reason(s) why construction has not been completed.

(b) If application is to replace an expired construction permit, submit as Exhibit No. _____ the reason for not submitting a timely extension application, together with the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s).

8. Are the representations contained in the application for construction permit still true and correct? [X] YES [ ] NO
If NO, give particulars in Exhibit No. _____.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Legal Name of Applicant	Signature
President & Fellows of Middlebury College	James D. Ross
Title: Consultant	Date: Feb 2, 1996

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT, U.S. CODE, TITLE 18, SECTION 1001.

INSTRUCTIONS

A. This form is to be used in all cases when applying for additional time to construct a broadcast station or when applying for a construction permit to replace an expired permit. See 47 Code of Federal Regulations (C.F.R.) Sections 73.3534 and 73.3598.

B. Prepare an original and one copy of this form and all exhibits. Number exhibits serially in the space provided in the body of the form. This application and all required exhibits should be filed with the FCC's Washington, D.C. office in accordance with 47 C.F.R. Section 0.401.

C. The name of the applicant must be stated exactly as it appears on the construction permit or on the expired construction permit.

D. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his/her absence from the United States. The attorney shall, in the event he/she signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than knowledge), he/she shall separately set forth reasons for believing that such statements are true.

E. Completion of construction includes the time required for testing and filing an appropriate broadcast station license application.

F. Applicants must explain fully: status of construction; reasons for delays in commencement or completion of construction; and detailed steps being taken to remedy delays.

G. Filing date is determined by date application is received in FCC.

H. **BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.**

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, engineers, communications industry analysts and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authorization.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(eX3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

Exhibit #1
Filed in support of Form 307
for Extension of Construction Permit
File Number BPED-940422JG

As we stated in our letter of November 29, 1995 to Mr. Larry Eads (exhibit #2), "However we have run out of construction season here in Vermont. New footings for the tower will not be able to be poured until at least early April. Thus we cannot conceivably finish the project by February 28, 1996."

Nothing has changed in this regard. Although the new tower has been purchased, the new footings cannot be poured until the weather is reliably above freezing and mud season has ended, allowing heavy machinery to be moved up the hill. Thus we respectfully request a six month extension of our construction permit.

MIDDLEBURY COLLEGE
MIDDLEBURY, VERMONT 05753
(802) 388-3711

EXHIBIT #2

November 29, 1995

Mr. Larry D. Eads, Chief
Audio Services Division
Mass Media Bureau
Federal Communications Commission
Washington, DC 20554

Dear Mr. Eads:

This letter is in reply to yours of August 19, 1995 (1800B3-LLS).

Since receiving the extension of our construction permit (BPED-901119MB), I have put forth considerable effort to speed the construction okf the new tower mentioned in my last letter to you. As you will no doubt remember, the tower is actually being erected by a consortium consisting of two FM stations, the Town of Middlebury and two cellular companies. Construction has been delayed not only due to environmental hearings regarding the new tower, but also because one of the cellular companies (Contel) was sold during this time, and the process essentially began anew.

The last remaining hurdle to be cleared is the last of the environmental hearings. The permit process has completed it's normal course, and this is actually the last opportunity for appeal by a nearby resident not in favor of the new tower. We do not feel that he has any chance of success as the new tower does not differ in height from the old one, nor is it lighted. This is scheduled for late December, and would theoretically allow for completion of our power upgrade in the allotted time.

However, we have run out of construction season here in Vermont. New footings for the tower cannot be poured until at last early April. Thus we cannot conceivably finish the project by February 28, 1996. We really do need the time we originally requested. We thus ask that the construction permit be extended until June 30, 1996. This should allow

us to complete the project with a slight margin for any unforeseen circumstances that might arise.

Please feel free to contact me with any questions or concerns that you may have about this material. My telephone number is 802-462-2872.

Sincerely,

James D. Ross

James D. Ross
Consultant

cc: David W. Ginevan
Robert Cham
Tiffany Nourse Sargent
Howie Young

Memo

To: DWG
Cc: Tiffany Sargent
Howie Young
Fr: JSR
Subj: WRMC

For your information, enclosed is a photocopy of our approved Modification of Construction Permit which extends our completion date to June 12, 1997.

JDR

done
about 1/7 1/6

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMPED-961106JA
Call Sign WRMC

MODIFICATION OF CONSTRUCTION PERMIT
FM STATION
(Class Station)

Modification No.

Recd 12/23/96
R

THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE
MIDDLEBURY COLLEGE
MIDDLEBURY, VT 05753

Permittee THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE

Station location: MIDDLEBURY, VT

Associated Broadcast station:

The Authority Contained in Authorization File No. BPED-911119MB

dated 3/25/92 granted to the Permittee listed above is hereby modified in part as follows:

DATE OF REQUIRED COMPLETION OF CONSTRUCTION: JUN 12 1997

The modification of construction permit shall be attached to and be made a part of the construction permit of this station.

Except as herein expressly modified, the above-mentioned construction permit, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated: DEC 12 1996

FEDERAL COMMUNICATIONS COMMISSION

FCC Form 361
October 1978

F.C.C. WASHINGTON, D.C.

ISSUED BY: PAS

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BMPED-961106JA
Call Sign WRMC

MODIFICATION OF CONSTRUCTION PERMIT
FM STATION
(Class Station)

Modification No.

Rec'd 12/23/96
R

THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE
MIDDLEBURY COLLEGE
MIDDLEBURY, VT 05753

Permittee THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE

Station location: MIDDLEBURY, VT

Associated Broadcast station:

The Authority Contained in Authorization File No. BPED-911119MB

dated 3/25/92 granted to the Permittee listed above is hereby modified in part as follows:

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Dated: DEC 12 1996

FEDERAL COMMUNICATIONS COMMISSION

F.C.C. WASHINGTON, D.C.

FCC Form 361
October 1978

ISSUED BY: PAS

Date: 12-23-96 From: GWW, Jr.

To: HWB ____ CP ____
CAB ____ EMR ____
TJC ____ JDR ____
DWG ____ GV ____
SBG ____ JCW ____
SKM ____ PAY ____
TAM ____

Betty

Info Only ____ Call me ____

Note & Return ____

For your Approval ____

Action ✓ Please Advise ____

Comments Please check with Jim to see if this is his

Thanks

See notes Page 3

Mirkwood Engineering Services
50 Park Avenue
Claremont, New Hampshire 03743
(603) 542-6784

Sunday, May 18, 1997

802 FAX 860-0581

Rec'd 5/21/97 R

James D. Ross
RD 2 Cider Mill Road
Middlebury, VT 05753

Regarding: FCC modification of construction permit for WRMC-FM

pc: DWG GWW JON W.

Dear Jim;

As could have only been inevitable, the renewal date for the modification of construction permit is coming up on June 12, 1997. Once again, we are faced with the difficult problem of showing and documenting due-diligence on our part to exercise this permit. I'm sure that this must be very frustrating for you after having spent so much time and effort to bring the process this far over so many years, only to be stymied by circumstances you can't control. I've been noodling on this for a few weeks and may have a solution to both preserve the coverage gained by the modified permit and at the same time relive you of the constant FCC pressure to move the project to closure.

As I see this, and please correct me if I am being over simplistic or blatantly wrong; 1) WRMC, through whatever process and trials, obtained a construction permit for a substantially greater power station; 2) This permit is predicated on a transmission facility located on the tower facilities at Chipman Hill; 3) While WRMC essentially has all its ducks in a row to proceed, Chipman Hill use issues have substantially changed since the permit was filed for; 4) The FCC *has modified* the table of allocations to reflect the modified construction permit and WRMC has been *protected* from other stations encroaching upon its coverage area, based upon this theoretical coverage.

Here is where I see our fundamental divergence in a solution. While I agree that given time, Chipman Hill will happen, I don't believe that it is in our best interest to keep an

5/30/97 Told Gary file for 6 months extension because of need for Rd 250 permit

artificial pressure upon ourselves. You need time, relieved of a panic situation every six months, to consummate the arrangement on Chipman Hill. WRMC needs to protect its coverage area from encroachment. Here's my thought process: 1) In order for WRMC to operate from Chipman, certain expenditures were going to have to be made; a new transmitter was needed, a microwave was required, a new remote and of course, a new antenna; 2) If we could find a different site, perhaps with a slightly different coverage pattern, but still large enough to successfully protect the contour gained in the Chipman Hill permit, we will have effectively 'put up a fence' around WRMC; 3) At any time later, once the Chipman Hill issues have been brought to a successful conclusion, we could re-file a new request for a modification of license and move to Chipman; the FCC really wouldn't care, I've seen stations move two and three times; 4) all our expenditures would be usable at Chipman, except perhaps the antenna. Bottom line, WRMC would probably lose about $6000 by moving ahead now. Naturally, if and when WRMC re-filed to move to Chipman, it could possibly sell this new antenna and minimize its loses.

Looking around campus, I noticed a very empty smokestack down by where the old pool was located. This stack is very usable as a FM transmission facility. It appears, utilizing very back of the envelope calculations, to be about the same height as the current facility in Gifford Hall, thus there would be some consistency of coverage. Located away from residence halls, chapels and classrooms, the extra power would not present an interference problem to the college. Aesthetically, no one would probably even notice the installation.

Think this over and give me a call to discuss it. I'm thinking out load and probably haven't anticipated every aspect of this proposed solution. I can be reached most

anytime during the day at 800.747.3779 and most evenings until ungodly hours of the night at 802.865.1703.

~~Sincerely,~~

Gary P. Savoie

Talked with Fred Dunnington & Betty Wheeler 5-27-97
① Project is still a "go"
② State now requiring Act 250 permit for towers.
NYNEX + Town submitting
③ Act 250 Application shortly (about 2 weeks)
④ Two cellular phone companies still fighting over tower "position".

cc: Tiffeny Sargent

⑤ Do we want and/or, ~~to~~ can we put antenna on smoke stack? (Temporary (6 MTHS - 5 yrs!) or permanent?)
⑥ With new Act 250 requirement, we probably could get one more 6 month extension.
⑦ Help!

Jim R.

TOWN OF MIDDLEBURY

94 Main Street, Middlebury, Vermont 05753

June 3, 1997

James D. Ross
RD 2 Cider Mill Rd
Middlebury, VT 05753

RE: Middlebury College WRMC-FM FCC Construction Permit

Dear Jim:

You have asked me to write another letter explaining the reasons for the further delay in erecting the new Chipman Hill Radio Tower. I wrote you a similar letter dated October 24, 1996 in connection with your request to the FCC for modification of the Construction Permit to relocate WRMC-FM as contained in authorization file #BPED-901119MB.

As I explained to you last Wednesday, the Town and NYNEX are now required by the State of Vermont to submit an application for an Act 250 permit to construct the new tower on Chipman Hill. This was a change in State environmental regulatory policy, as you know since we had previously received Act 250 clearances. The application is now being prepared by the firm of Duboise and King and hopefully will be submitted within the next couple of weeks.

The Town acknowledges and appreciates your diligent interest and concern with this project and we will continue to do what we can to bring this to a successful conclusion, which we hope will be reached so the tower can be constructed by this fall. You do not need to apologize for your periodic visits to my office to inquire about the status of the project. I would be happy to answer any further questions you or the FCC officials have in regards to this matter.

I hope this gives you what you need in order to secure renewal or extension of the Middlebury College FCC approval.

Sincerely,

Fred S. Dunnington
Town Planner

FSD:ejd
cc: Betty Wheeler, Town Manager

MUNICIPAL BUILDING *388-4041
PUBLIC WORKS 388-4045
POLICE DEPARTMENT *388-3191
FAX NUMBER 388-4364
*TDD available

MIDDLEBURY COLLEGE
MIDDLEBURY, VERMONT 05753
(802) 388-3711

FACSIMILE TRANSMITTAL SHEET

TO: Gary P. Savoie
FROM: Jim Ross
COMPANY: Minkwood Engineering
DATE: 6-4-97
FAX NUMBER: 802-860-0381
TOTAL NO. OF PAGES INCLUDING COVER: 2
RE: FCC modification of construction permit for WRMC-FM

URGENT | FOR REVIEW | PLEASE COMMENT | PLEASE REPLY

NOTES/COMMENTS:

Hope Fred's letter helps!

Jim

pc: Tiffany S.

(802) 443-2058 (fax) (802) 443-5504 (telephone)

Monday, June 09, 1997
WRMC (FM), Middlebury, VT
FCC Form 307

DELIVERED VIA FEDERAL EXPRESS TO:

Federal Communications Commission
Mass Media Services
P.O. Box 358195
Pittsburgh, PA 15215-5195

Re: WRMC (FM), Middlebury, VT
Application for Extension of Time in
Which to Construct (FCC Form 307)

Dear Sir,

Transmitted herewith in duplicate, on behalf of The President and Fellows of Middlebury College, Jim Ross, a consultant of broadcast station WRMC(FM), Middlebury, Vermont, is an application on FCC Form 307 for an extension of time in which to construct that station. As shown in the application, construction of WRMC(FM) is being delayed by processes beyond the Licensee's control and the Licensees are continuing to aggressively pursue a solution.

Should there be any questions concerning this matter, please contact the undersigned.

Respectfully,

Jim Ross

Jim Ross
RD #2 Box 540
Middlebury, VT 05753
802.462.2872

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0407
Expires 03/31/97

FOR FCC USE ONLY

FCC 307

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS BEFORE FILLING OUT THIS FORM)

FOR COMMISSION USE ONLY

FILE NO.

1. APPLICANT NAME (Last, First, Middle Initial)
The President and Fellows of Middlebury College

MAILING ADDRESS (Line 1) (Maximum 35 characters)
Middlebury College

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY	STATE OR COUNTRY (if foreign address)	ZIP CODE
Middlebury	VT	05753

TELEPHONE NUMBER (include area code)	CALL LETTERS OR OTHER FCC IDENTIFIER (IF APPLICABLE)
802-443-6323	WRMC

2. A. Is a fee submitted with this application? ☐ Yes ☒ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1112).

☐ Governmental Entity ☒ Noncommercial educational licensee/permittee ☐ Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
	0001	$	

3. PURPOSE OF APPLICATION: ☒ a. Additional time to construct broadcast station ☐ b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT

Legal name of Applicant: The President and Fellows of Middlebury College

File Number	Call Letters		
BPED-940422JG	WRMC	☒ Main Transmitter ☐ Auxiliary Transmitter	
Frequency 91.1	Channel No. 216	City Middlebury	State VT

5. Submit as an Exhibit a list of the file numbers of pending applications concerning the station, e.g., major or minor modifications, assignments, etc.

Exhibit No. N/A

6. EXTENT OF CONSTRUCTION

a. Has equipment been delivered? ☐ Yes ☒ No

If No, submit as an Exhibit a description of what equipment has been ordered, from whom and when it was ordered, and the promised delivery date (if any). If no order has been placed, so indicate and explain. Exhibit No. 1

b. Has installation commenced? ☐ Yes ☒ No

If Yes, submit as an Exhibit a description of the extent of installation, the date on which installation comenced, and the estimated date by which construction can be completed. Exhibit No. N/A

7.(a) If application is for extension of construction permit, submit as an Exhibit any additional construction progress not specified above and reason(s) why construction has not been completed. Exhibit No. 2

(b) If application is to replace an expired construction permit, submit as an Exhibit the reason for not submitting a timely extension application, together with any additional construction progress not specified above and the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s). Exhibit No. N/A

8. Are the representations, including environmental, contained in the application for construction permit still true and correct? ☒ Yes ☐ No

If No, give particulars in an Exhibit. Exhibit No. N/A

9. Since the filing of the applicant's last application, has an adverse finding been made or final action been taken by any court or administrative body with respect to the applicant or parties to the applicant in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination? ☐ Yes ☒ No

If the answer is Yes, submit as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of the filing; and (ii) the disposition of the previously reported matter. Exhibit No. N/A

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503))

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☒ Yes ☐ No

2. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name	Signature
Gary P. Savoie	
Title	Date
Consultant	June 6, 1997

Exhibit #1

No order has been placed. No equipment is anticipated for this modification of construction permit.

Exhibit #2

TOWN OF MIDDLEBURY

94 Main Street, Middlebury, Vermont 05753

June 3, 1997

James D. Ross
RD 2 Cider Mill Rd
Middlebury, VT 05753

RE: Middlebury College WRMC-FM FCC Construction Permit

Dear Jim:

You have asked me to write another letter explaining the reasons for the further delay in erecting the new Chipman Hill Radio Tower. I wrote you a similar letter dated October 24, 1996 in connection with your request to the FCC for modification of the Construction Permit to relocate WRMC-FM as contained in authorization file #BPED-901119MB.

As I explained to you last Wednesday, the Town and NYNEX are now required by the State of Vermont to submit an application for an Act 250 permit to construct the new tower on Chipman Hill. This was a change in State environmental regulatory policy, as you know since we had previously received Act 250 clearances. The application is now being prepared by the firm of Duboise and King and hopefully will be submitted within the next couple of weeks.

The Town acknowledges and appreciates your diligent interest and concern with this project and we will continue to do what we can to bring this to a successful conclusion, which we hope will be reached so the tower can be constructed by this fall. You do not need to apologize for your periodic visits to my office to inquire about the status of the project. I would be happy to answer any further questions you or the FCC officials have in regards to this matter.

I hope this gives you what you need in order to secure renewal or extension of the Middlebury College FCC approval.

Sincerely,

Fred S. Dunnington
Town Planner

FSD:ejd
cc: Betty Wheeler, Town Manager

MUNICIPAL BUILDING *388-4041
PUBLIC WORKS 388-4045
POLICE DEPARTMENT *388-3191
FAX NUMBER 388-4364
*TDD available

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0407
Expires 03/31/97

FOR FCC USE ONLY	

FCC 307

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS BEFORE FILLING OUT THIS FORM)

FOR COMMISSION USE ONLY

FILE NO.

1. APPLICANT NAME (Last, First, Middle Initial)		
MAILING ADDRESS (Line 1) (Maximum 35 characters)		
MAILING ADDRESS (Line 2) (Maximum 35 characters)		
CITY	STATE OR COUNTRY (if foreign address)	ZIP CODE
TELEPHONE NUMBER (include area code)	CALL LETTERS OR OTHER FCC IDENTIFIER (IF APPLICABLE)	

2. A. Is a fee submitted with this application? ☐ Yes ☐ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1112).

☐ Governmental Entity ☐ Noncommercial educational licensee/permittee ☐ Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
	0 0 0 1	$	

3. PURPOSE OF APPLICATION: ☐ a. Additional time to construct broadcast station ☐ b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT

Legal name of Applicant			
File Number	Call Letters	☐ Main Transmitter ☐ Auxiliary Transmitter	
Frequency	Channel No.	City	State

5. Submit as an Exhibit a list of the file numbers of pending applications concerning the station, e.g., major or minor modifications, assignments, etc.

Exhibit No.

6. EXTENT OF CONSTRUCTION

a. Has equipment been delivered? ☐ Yes ☐ No

If No, submit as an Exhibit a description of what equipment has been ordered, from whom and when it was ordered, and the promised delivery date (if any). If no order has been placed, so indicate and explain. Exhibit No.

b. Has installation commenced? ☐ Yes ☐ No

If Yes, submit as an Exhibit a description of the extent of installation, the date on which installation comenced, and the estimated date by which construction can be completed. Exhibit No.

7.(a) If application is for extension of construction permit, submit as an Exhibit any additional construction progress not specified above and reason(s) why construction has not been completed. Exhibit No.

(b) If application is to replace an expired construction permit, submit as an Exhibit the reason for not submitting a timely extension application, together with any additional construction progress not specified above and the reason(s) why construction was not completed during the period specified in the construction permit or subsequent extension(s). Exhibit No.

8. Are the representations, including environmental, contained in the application for construction permit still true and correct? ☐ Yes ☐ No

If No, give particulars in an Exhibit. Exhibit No.

9. Since the filing of the applicant's last application, has an adverse finding been made or final action been taken by any court or administrative body with respect to the applicant or parties to the applicant in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination? ☐ Yes ☐ No

If the answer is Yes, submit as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of the filing; and (ii) the disposition of the previously reported matter. Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in the application.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503))

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☐ Yes ☐ No

2. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name	Signature
Title	Date

Federal Communications Commission
Washington, D. C. 20554

Approved by OMB
3060-0407
Expires 03/31/97

FOR FCC USE ONLY	

FCC 307

APPLICATION FOR EXTENSION OF BROADCAST CONSTRUCTION PERMIT OR TO REPLACE EXPIRED CONSTRUCTION PERMIT

(CAREFULLY READ INSTRUCTIONS BEFORE FILLING OUT THIS FORM)

FOR COMMISSION USE ONLY

FILE NO.

1. APPLICANT NAME (Last, First, Middle Initial)
The President & Fellows of Middlebury College

MAILING ADDRESS (Line 1) (Maximum 35 characters)
Middlebury College

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY	STATE OR COUNTRY (if foreign address)	ZIP CODE
Middlebury	VT	05753

TELEPHONE NUMBER (include area code)	CALL LETTERS OR OTHER FCC IDENTIFIER (IF APPLICABLE)
	WRMC

2. A. Is a fee submitted with this application? ☐ Yes ☒ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1112).

☐ Governmental Entity ☒ Noncommercial educational licensee/permittee ☐ Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
	0001	$	

3. PURPOSE OF APPLICATION: ☒ a. Additional time to construct broadcast station ☐ b. Construction permit to replace expired permit

4. IDENTIFICATION OF OUTSTANDING CONSTRUCTION PERMIT

Legal name of Applicant The President & Fellows of Middlebury College

File Number	Call Letters		
BPED-940422	WRMC	☒ Main Transmitter	☐ Auxiliary Transmitter
Frequency 91.1	Channel No. 216	City Middlebury	State VT

5. Submit as an Exhibit a list of the file numbers of pending applications concerning the station, e.g., major or minor modifications, assignments, etc.

Exhibit No. N/A

[redacted]

Rec'd 6/10/97
R

Memo

pc: DWG
GWW
Jon W.

To: Tiffany Sargent, Director of Student Activities

From: Howie Young

CC: Kevin Peckham

Date: June 9, 1997

Re: Antenna Details

Tiffany,

As you requested, I'm writing to answer some of the questions of detail that Gary Savoie's recent letter raised. He should be able to get back to Jim or Kevin in a day or two via e-mail, but this should give a framework for what he is talking about in regards to the smokestack.

The idea of placing the WRMC antenna on the smokestack was first suggested to me by John Bowker in an e-mail from last year. Since then I have done some research into the topic and inspected sites where antenna arrays were mounted on smokestacks of various heights and widths. At these sites the smokestack acts only as a supporting structure; the antenna does not interfere with the smokestack, the scrubbers, or the exhaust in any way.

This would be the case if WRMC were to use the smokestack at the Service Building in such a way. After looking over the structure, Gary, Kevin, and I have an idea of what a potential set up would look like. Beginning 5 to 10 feet below the top, a mount specially designed to fit our smokestack[1] would attach to the structure. This 25' to 35' mount would hold the transmitting antennas (like the one found in the Gifford copula) and the microwave studio-to-transmitter link. Any wire connections to and from the top will run outside the smokestack. At the bottom of the smokestack would sit a shed to house the equipment. There are a number of pre-fabricated sheds available that are even smaller than the Gifford closet which currently houses our transmitter equipment or as large as a small dorm-room; whatever size, it could easily fit in the gravel area between the smokestack and the break-room entrance or on the side facing McCullough. The number of 110VAC outlets needed would be no greater than the current number in Gifford (apx. 8).

The entire set-up would be outside the smokestack and below the top. Radiation from the antenna will not interfere with the scrubbers nor be of concern to the occupants of the Service Building. FM antennas radiate outwards, not downwards. Finally, every piece of equipment purchased for this application could be used when moving to the Chipman Hill site, except for the customized mount. If you have any questions please call me at 388-0867.

---

[1]There are a number of broadcast companies which make custom mounting hardware for smokestack applications.

From: Facilities Management <FACILITIES@pcm.middlebury.edu>
To: "Sargent, Tiffany (Groupwise)" <tiffanys@gw.middle...
Date: 6/11/97 2:21pm
Subject: FW: Meeting -Reply -Reply

Tiffany,
I asked Jeff Lane to look at the GIS (computerized) map of the campus to check the elevations, and his response is below.

Jon W. says:
"top of open cupola at Gifford is at elevation 530'
Top of Heating Plant stack is elev. 548'

Don't think we would allow antenna on Plant stack because:
1) interfere w/annual maintenance of stack (added cost)
2) antenna would corrode or become coated w/stack emissions
3) may require special permit from State because it is a stack."

From: Jeffery Lane
To: FACILITIES
Subject: RE: Meeting -Reply -Reply
Date: Wednesday, June 11, 1997 10:20AM

Unfortunately, the 3D model in its current state is not 100% accurate, so I wouldn't bet money on this (especially since I don't know exactly how tall the smokestack or Gifford is), but judging from what I did, Gifford's cupola is higher.

Jeff

Rec'd 6/20/97 RC
Called Gary S. & left message.

FEDERAL COMMUNICATIONS COMMISSION
UNPROCESSABLE APPLICATION RETURN FORM

DATE: June 16, 1997

The President and Fellows of Middlebury College
Middlebury College
Middlebury, VT 05753

6/24/97 Called Gary S & he agreed to call Dorsey

Dear Sir

6/26/97 2:15 Called & left message for Gary S. Any advice?

This is to notify you that your application package is being returned for the following reason(s):

[ ] No application/filing accompanied your submission.

[ ] No remittance accompanied your submission.

[ ] No Remittance Advice Form (FCC Form 159) accompanied your submission.

[ ] The amount remitted and/or Payment Type Code is incorrect.

6/26/97 2:15 Gary called Said FCC has good new "Hotline" Send everything to FCC 1919 M St NW Wash, DC 20554

[ ] The Remittance Advice Form is incomplete.

[ ] Multiple transactions are not accepted for this Payment Type Code. Each transaction must be listed separately on the Remittance Advice Form.

[ ] When filing for more than one applicant and paying with a single remittance, you must include them all on one Remittance Advice Form. Please use Advice (Continuation Sheet) (FCC Form 159-C) if additional entries are necessary.

[✓] Other: Part I, Section A fee type Code needs to be completed.

In future, use Hotline 202-418-0222

Please refer to the enclosed fee filing guide for further instructions, and mail your corrected application, Remittance Advice Form, and payment to the appropriate P.O. Box in Pittsburgh, Pennsylvania.

If you have further questions, please contact the Billings & Collections Branch at (202) 418-1995.

Mailed 6/27/97 R

Sincerely,

Katura Honored

Regina W. Dorsey, Chief
Billings & Collections Branch

for

Enclosure
app 307

$200 / 10' section Anti-fall ladder

Stack 120' ?

Mount $4,000

Antenna

Install. $2500 x 3 days = 7500

$25 - $30,000

Stack 125' high

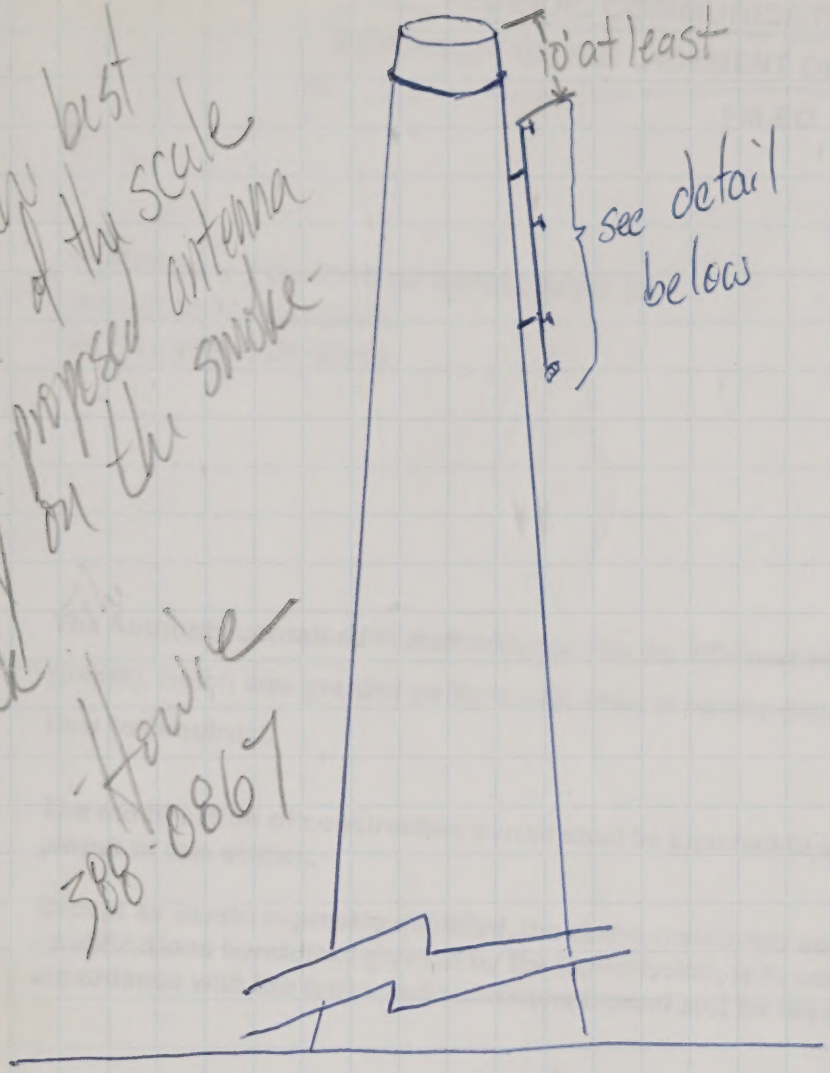
4' diameter at top

10' " " bottom

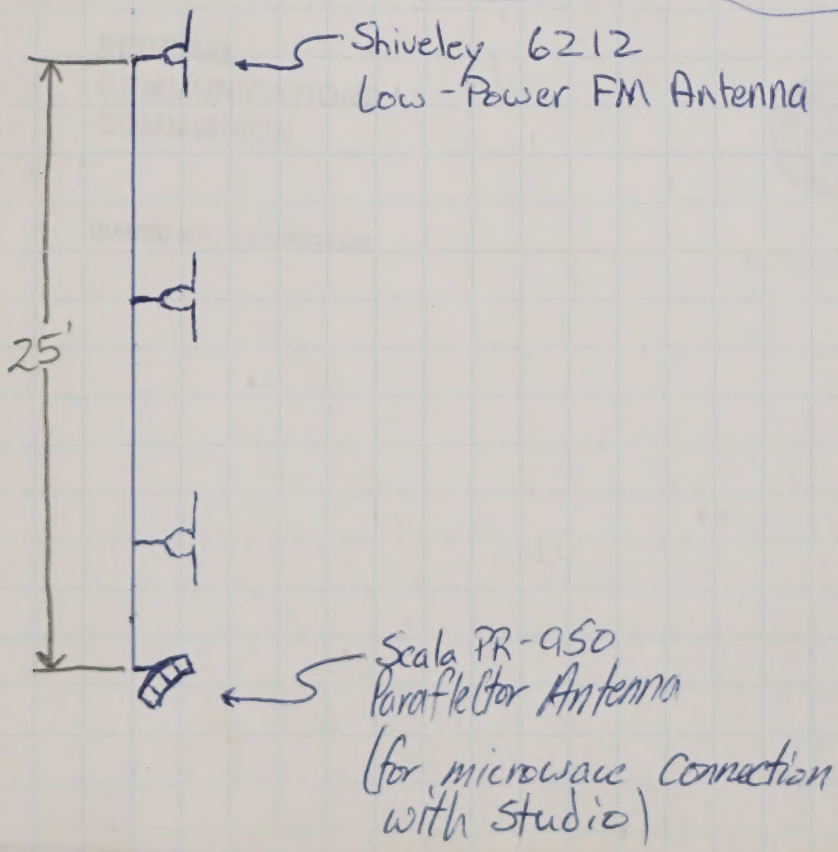
Jim,
Here's the best estimate of the scale of the proposed antenna array on the smoke-stack

Howie
388-0867

WRMC



1 box = 5^2 feet



1 box = 2^2 feet

*antenna dimensions are approximate

Reid 6/12/97

pc: DWG
GWW
JON W.

Rec'd 8/13/9
R

UNITED STATES OF AMERICA
FEDERAL COMMUNICATION COMMISSION

EXTENSION OR REPLACEMENT OF CONSTRUCTION PERMIT

FM-ED

Call Sign: WRMC-FM
Location: MIDDLEBURY, VT
File No: BMPED-970611JB

THE PRES. & FELLOWS OF MIDDLEBURY CO
MIDDLEBURY COLLEGE
MIDDLEBURY, VT 05753

Grant Date: August 4, 1997
Expiration Date: February 4, 1998

The Authority contained in Authorization File No. BPED-901119MB (underlying construction permit), which was granted on March 25, 1992, is hereby granted an extension of time to construct.

The modification of construction permit shall be attached to and be made a part of the construction permit of this station.

Except as herein expressly modified, the above-mentioned construction permit, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

FEDERAL
COMMUNICATIONS
COMMISSION

ISSUED BY: VANDERSON

F.C.C. WASHINGTON, D.C.

FCC Form 361
October 1978

pc: DWG
GWW
T. Sargent